University of Massachusetts at Boston

Summer Sessions 1985

Bulletin

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Division of Continuing Education
University of Massachusetts at Boston
Harbor Campus
Boston, MA 02125-3393

Sessions Starting May 28, July 1, and July 15

More than 400 Course Sections

Daytime and Evening Classes

Classes at the Harbor and Downtown Campuses

Convenient Registration by Mail, by Telephone, or in Person

Non-credit Programs, Special Events, and Much More!

For more information, call

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Issued Winter, 1984–5

The University

The University of Massachusetts at Boston is a public university, founded in 1964. Its faculty, distinguished both for scholarship and for dedication to teaching, works closely with students to maintain individual academic relationships. The resultant atmosphere of trust and camaraderie promotes rich opportunities for development in the pursuit of a superior education.

Three separate colleges grant Bachelor's degrees at UMass/Boston, as do three professional programs. The College of Arts and Sciences offers students sound training in the liberal arts and prepares them for careers in such fields as law, medicine, and scientific research. The College of Management offers academic preparation for professional, managerial careers in commerce, industry, government agencies, and other institutions. The College of Public and Community Service prepares students—particularly experienced, older students—for careers in the social services. The Institute for Learning and Teaching offers programs in early childhood, elementary, and secondary education. The curriculum of the School of Nursing leads to the BS degree and entry into professional practice. The Program in Physical Education offers specializations for students with a wide range of interests.

The University also conducts graduate programs in the central liberal arts disciplines, in education, in business administration, and in such new or developing areas of study as computer science, human services, and environmental science.

UMass/Boston has two campuses: the Harbor Campus, which is three miles south of downtown Boston on Dorchester Bay, and the Downtown Center, in Boston's Park Square. For directions to these campuses, see page 16.

The University offers numerous undergraduate and graduate courses during its summer sessions, as well as a wide range of special programs. The courses and programs for summer, 1985, are described in this bulletin.

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Academic Calendar

	First Six-Week Session	First Four-Week Session	Second Six-Week Session	Second Four-Week Session
Registration Deadline	May 17	May 17	July 5	June 21
Late Registration*	May 20–24	May 20–24	July 8–12	June 24–28
Classes Begin	May 28	May 28	July 15	July 1
Add/Drop Deadline	June 4	June 4	July 19	July 5
Holidays	June 17, July 4	June 17	—	July 4
Pass/Fail and Withdrawal Deadline	June 27	June 11	August 2	July 12
Last Day of Class and Final Exam	July 10	June 27	August 22	August 1

*A $20 late fee will be assessed during these periods.

Note: Computer science courses and other special courses and programs may have different starting and ending dates. Please be sure to consult the description of the course or program in which you are interested for specific information.

Registration Form — Continuing Education — Summer, 1985

Please be sure to provide the numbers requested below. They are needed for coding purposes.

Social Security #: ___ — ___ — ___ UMass/Boston ID # (if any):

Name

Last First Middle Initial

Address

No. Street City State Zip

Student Status

O Graduate O Undergraduate

Ethnic Survey Information (Required by Federal Government)

A. American Indian/Alaskan Native
B. Black Non-Hispanic
C. Asian or Pacific Islander
D. Hispanic
E. Non-resident Alien
F. White Non-Hispanic
G. Do not wish to report
H. Cape Verdean

Sex

O Male O Female

Marital Status

O Married O Divorced
O Single O Widowed

Residency Status

O Instate O Out of State O Foreign

Veteran Status

O Veteran O Non-veteran

Student Visa

O Yes O No

Daytime Phone: ( )

Date of Birth

Mo Day Year

Current UMass/Boston student?

O Special O Matriculated Major

Studying in UMass/Boston's RN Program?

O Special O Matriculated

Student at other college or university?

O Yes O No If Yes, where?

Course Selections

Sched. No.	Course No.	Title	Starting Date	Credits		Course Fee/Credit		Lab Fee (if any)		Total Course & Lab Fee
					×		+		=	
					×		+		=	
					×		+		=	
					×		+		=	

MasterCard and VISA Only

The University of Massachusetts at Boston, Division of Continuing Education, will accept MasterCard or VISA for payment of fees. If you would like to make use of this service, please provide the information requested.

Account No

Expiration Date

Student's Name (Print)

Student's Signature

Print name of person to whom card was issued if different from above.

If a student withdraws or a course is cancelled, the refund will be made only as a credit to the student's MasterCard or VISA account.

Full payment must accompany all registrations.

Method of Payment

O VISA O MasterCard
O Check O Other

Make checks payable to University of Massachusetts—Continuing Education

Send checks and forms to:
Division of Continuing Education
Box C
University of Massachusetts at Boston
Harbor Campus
Boston, MA 02125-3393

For Office Use
Rec'd Date:
Batch: Bank No.:

Course Fees

Undergraduate	$50.50/credit
Graduate	$64.00/credit

Please Note:

This form is to be used only when registering for credit courses. To register for non-credit courses, please use the form on page 19.

Please calculate payment below.

Course and Lab Fees (total)*	
Total Service Fees	$46.25
Additional Fees	
Subtotal	
Late Fee (if applicable)	$20.00
Total Payment Enclosed	

* Remember to make out a separate check for the total course and lab fee for each course.

When you use this form to register by mail, your cancelled checks will be your receipt.

Summer Admission

Students who have graduated from high school or who have earned certificates of general educational development are welcome to take summer session courses at the University of Massachusetts at Boston. College-bound high school juniors and seniors interested in beginning their college educations are also invited to take summer session courses. The University assumes that students registering for undergraduate courses will accurately assess their ability to do college-level work. It is the responsibility of students to meet prerequisites for individual courses.

To be admitted to any graduate level course a student must have earned a Bachelor's degree, unless other requirements are specified in this catalog or unless written permission is obtained from the faculty member teaching the course.

Summer session courses carrying credit are equivalent in method and content to regular University courses. Credits earned in these courses may be applied toward UMass/Boston degree requirements and are ordinarily accepted as transfer credits by other colleges.

Summer enrollment does not imply acceptance into a degree program at the University of Massachusetts at Boston. Any student who wishes to matriculate at the University must submit an application to the Admissions Office. (If the student does matriculate, as many as sixteen undergraduate credits, or six graduate credits, earned during the summer, may be counted toward degree requirements.)

To serve both matriculated and potential UMass/Boston students, various "Core Curriculum" courses are offered during the summer session. Core courses, which are identified by the prefix "C" in their course numbers, emphasize the development of skills in written expression and critical analysis; each student in UMass/Boston's College of Arts and Sciences must complete a range of Core courses to earn his or her degree. Note: recently modified Core Curriculum requirements will apply to students entering the College after this summer. Any student who expects to matriculate in fall, 1985, or thereafter, and who has questions about the applicability of previously completed Core courses to the modified Core requirements, should discuss these questions with an advisor in the College's Office of Academic Support and Advising (929-8220). General information about all UMass/Boston academic programs is available from the New Student Information Office (929-8600).

For adults considering return to college the Admissions Office offers informational seminars every Wednesday at the Downtown Center. For information about these seminars, call the Admissions Office (929-8000).

Advance Registration for all Sessions—April 1–May 17

One week before each session begins, all courses in that session that have not reached minimum enrollment will be cancelled. Late registrations for courses that have reached minimum enrollment will be accepted during the Add/Drop period until maximum enrollment is reached.

For starting dates of special courses and programs, please consult the descriptions on pages 19 and 20.

Location Key

Harbor Campus (HC)

010 Wheatley Hall
020 McCormack Hall
080 Science Building
090 Healey Library
110 Administration Building
120 Clark Athletic Center
150 Service and Supply Building

Building, floor, and room numbers are given in that order for specific locations. Example: 020/2/618 refers to McCormack Hall, second floor, room 618.

Downtown Center (DC)

The first digit of each number indicates the floor.

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The information in this publication is provided solely for the convenience of the reader, and the University of Massachusetts at Boston expressly disclaims any liability which may otherwise be incurred. While every effort has been made to ensure the accuracy of the information in this publication, the University reserves the right to make changes at any time with respect to course offerings, degree requirements, services provided, or any other subject addressed in this publication.

The University of Massachusetts at Boston is an affirmative action/equal opportunity employer and prohibits discrimination on the basis of race, color, sex, age, religion, national origin, handicap condition, or veteran status in its employment, in the recruitment, admission, and treatment of students, and in its policies and programs, as required by Federal and State laws and regulations. Inquiries concerning these laws and regulations should be addressed to the Director of Affirmative Action, Administration Building, Harbor Campus, University of Massachusetts at Boston.

The University of Massachusetts at Boston is accredited by the New England Association of Schools and Colleges. The University of Massachusetts at Boston is a member of the North American Association of Summer Sessions and the National University Continuing Education Association.

Publications Office
85.109/3.85/100M

Academic Skills

Academic Skills 034
Fundamentals of Algebra

This is a course for students who have mastered arithmetic but not beginning algebra. They are either students who never studied algebra in high school, or who studied it so long ago or so ineffectively that they must approach all introductory algebra topics as new rather than review material. The course has two major goals: 1) to introduce students to algebraic notation and concepts so that in one reasonably paced semester in Math 110 they can learn the material needed to enter the pre-Calculus course (Math 130); 2) to develop successful study and test-taking techniques so that students will be prepared to handle the pressure of regular math department courses and exams. The course will cover the following topics: integral components; polynomials—their simplification, combination, and evaluation; linear equations—how to solve them, graph them, and use them to solve word problems; ratios and proportions. The course will also introduce such topics as systems of equations, multiplication, and factoring of polynomials. Note: The fee for this two-credit course is $151.50.
Prerequisite: Math Diagnostic Test only.

May 28–Jul 10, MTuWTh 10:00–11:30am, HC 020/1/617, Staff, Sched No 707157, 2 Credits

May 28–Jul 10, MTuWTh 6:00–7:30pm, DC 523, Staff, Sched No 707202, 2 Credits

Jul 15–Aug 22, MTuWTh 8:15–10:00am, HC 020/1/417, Staff, Sched No 707252, 2 Credits

Accounting and Finance

AF 210
Financial Accounting

Presents the theory and techniques of financial accounting. The course encompasses the basic functions of collecting, processing, and reporting accounting information for interested third parties (e.g., owners, investors, and governmet) and enables students to analyze, interpret, and use accounting information effectively.

May 28–Jul 10, MTuWTh 8:15–9:45am, HC 010/2/124, Staff, Sched No 701008, 3 Credits

May 28–Jul 10, MTuWTh 10:00–11:30am, HC 010/2/124, Staff, Sched No 701058, 3 Credits

May 28–Jul 10, MW 6:00–9:00pm, DC 624, Staff, Sched No 701303, 3 Credits

Jul 15–Aug 22, MTuWTh 8:15–9:45am, HC 010/2/124, Staff, Sched No 701103, 3 Credits

Jul 15–Aug 22, TuTh 6:00–9:00pm, DC 622, Staff, Sched No 701353, 3 Credits

AF 211
Managerial Accounting

Presents the theory and techniques of managerial accounting, from the particular perspective of the manager. The course covers the identification and analysis of the behavior of costs within the organizaiton, and illustrates how managers use such knowledge for planning and control. Major topics include responsibility accounting, comprehensive and cash budgeting, and standard job order and process cost systems.
Prerequisite: AF 210.

May 28–Jul 10, MTuWTh 8:15–9:45am, HC 010/2/125, Staff, Sched No 701553, 3 Credits

May 28–Jul 10, TuTh 6:00–9:00pm, DC 622, Staff, Sched No 701808, 3 Credits

Jul 15–Aug 22, MTuWTh 10:00–11:30am, HC 010/2/124, Staff, Sched No 701608, 3 Credits

Jul 15–Aug 22, MW 6:00–9:00pm, DC 624, Staff, Sched No 701858, 3 Credits

AF 301
Financial Management

(See note below.)
Introduces financial management, both short-term and long-term, including working capital management and budgeting, leverage, debt capacity, dividend policy, and time-value of money. The course also acquaints students with the kinds of securities issued by public and private entities.
Prerequisite: AF 210.

May 28–Jul 10, MW 8:15–11:30am, HC 010/1/054, Staff, Sched No 702052, 3 Credits

May 28–Jul 10, MW 6:00–9:00pm, HC 020/1/608, Staff, Sched No 702307, 3 Credits

Jul 15–Aug 22, MW 8:15–11:30am, HC 010/1/054, Staff, Sched No 702107, 3 Credits

Jul 15–Aug 22, MW 6:00–9:00pm, HC 020/1/608, Staff, Sched No 702357, 3 Credits

AF 480
Accounting and Finance Internship

Provides students with opportunities for full- or part-time work experience in an accounting and finance setting. On-site supervision and faculty sponsors provide guidance and supervision for each intern.
Prerequisite: Enrollment in the CM degree program in an Accounting/Finance Department concentration.

By Arrgt, Sched No 702418, 3 Credits

Note: any student wishing to take AF 301 1) must be enrolled in the College of Management at UMass/Boston or in a management degree program at another four-year college or university; 2) must have completed 60 semester hour credits; and 3) must have completed all course prerequisites with a C – or better. Each non-UMass/Boston student must submit, together with a registration form, a copy of a complete and current official transcript of his or her college or university record. If a non-UMass/Boston student is completing course prerequisites this term, the student must also submit verification of his or her current registration in the prerequisite course(s). This material must be reviewed and approved by the College of Management's Office of Student Services before the student may enroll in AF 301. If the student wishes to register in person, he or she should telephone the Office of Student Services (929-8105) for an appointment.

American Civilization

AmCiv C202
The Twenties

Please see description under "Special Programs" on page 20.

AmCiv C205
The Fifties

The course will consider the culture of the 1950's including writers like Kerouac, Ellison, Hemingway, and Miller and phenomena such as the Cold War, McCarthyism, and the "other-directedness" that supposedly dominated the period. The work of social scientists like Riesman and Galbraith will be considered as well as that of novelists and playwrights.
Core Area: Historical and Cultural Studies.

May 28–Jul 10, MTuWTh 10:00–11:30am, HC 020/2/616, Mr Grosser, Sched No 702957, 3 Credits

AmCiv C206
The Sixties

The course will focus on protest and the role of youth. Who protested and why? Was the phenomenon of the sixties an aberration or part of a larger radical tradition in America? What was the impact on the seventies? Readings will be drawn from participants in the student, black, feminist, and peace protest movements, from the intellectuals who defended and attacked them, and from the growing body of retrospective, analytic, and historical literature which attempts to explain what really happened in that tumultuous decade. Films will be shown when appropriate.
Core Area: Historical and Cultural Studies.

Jul 15–Aug 22, MTuWTh 11:45am–1:15pm, HC 020/2/616, Mr Halprin, Sched No 703151, 3 Credits

Anthropology

Anth C102
Introduction to Archaeology and Biological Anthropology

The study of the biological and cultural heritage of humans. Topics include: primate and human evolution, human adaptation and variation, and the evolution of prehistoric cultures.
Core Area: Natural Sciences.

May 28–Jul 10, TuTh 6:00–9:00pm, DC 619, Mr Fazel, Sched No 703751, 3 Credits

Jul 15–Aug 22, MTuWTh 10:00–11:30am, HC 020/2/417, Staff, Sched No 703806, 3 Credits

Anth C103
Introduction to Cultural Anthropology

The study of recent and contemporary human societies in cross-cultural perspective. Ethnographic accounts are used to analyze and compare variations in cultural adaptations and processes of cultural change.
Note: Anth C102 is *not* a prerequisite to Anth C103.
Core Area: Social and Behavioral Sciences.

May 28–Jul 10, MTuWTh 8:15–9:45am, HC 020/2/417, Staff, Sched No 704000, 3 Credits

Jul 15–Aug 22, TuTh 6:00–9:00pm, DC 619, Staff, Sched No 704050, 3 Credits

Anth 245
Microcomputing: Anthropology

An introduction to microcomputing and anthropology. General applications of word processing, database management, and statistical packages; specialized applications, including simulations in archaeology, biological anthropology, cultural anthropology, and linguistics. Fundamentals of programming in BASIC. No previous computing experience required.
Prerequisite: Introductory Anthropology or permission of instructor.

Jul 15–Aug 22, MTuWTh 10:00–11:30am, HC 020/2/624, Mr Nelson, Lab Fee: $10.00, Sched No 704650, 4 Credits

Anth C270
Indians of North America

An introductory survey of North American Indian societies and culture. Emphasis will be placed on the descriptive comparison of selected Indian societies through the study of North American culture areas, levels of sociocultural integration, Indian history and contact with Euro-American culture.
Core Area: Historical and Cultural Studies.

May 28–Jun 27, MTuWTh 11:45am–1:45pm, HC 020/3/617, Mr Buckley, Sched No 704250, 3 Credits

Anth C271
Peoples and Cultures of the Middle East

An examination of: the cultural, ethnic, and economic diversity of the modern nation-states in this region; historical and sociopolitical forces in the formation of the contemporary Middle East; neo-colonialism and imperialism as persisting obstacles to development and progress in this part of the world; and the role of Islam in reformist and revolutionary movements.
Prerequisite: Anth C103, C104, or permission of instructor.
Core Area: Historical and Cultural Studies.

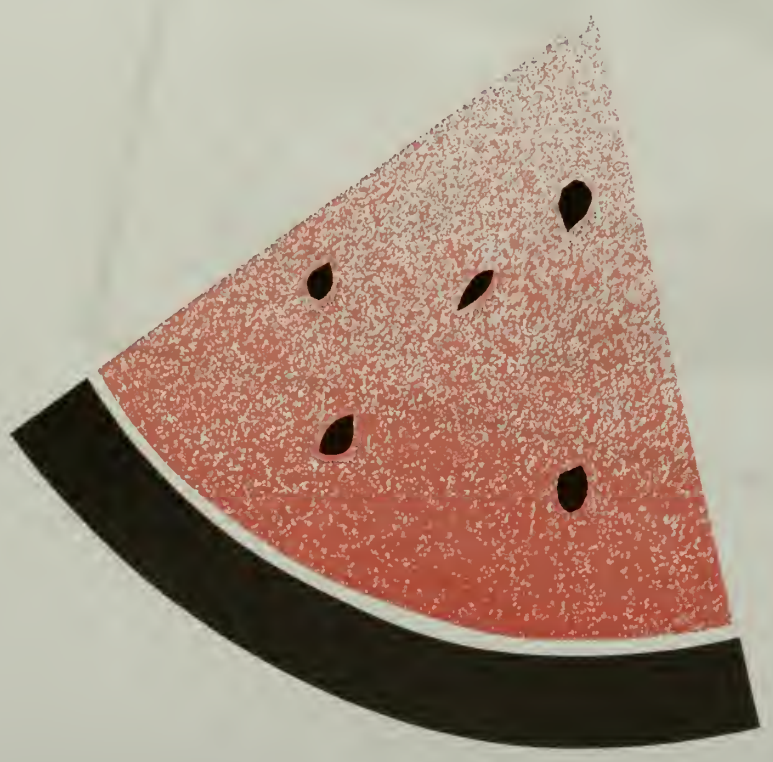
May 28–Jul 10, MW 6:00–9:00pm, DC 503, Mr Fazel, Sched No 704450, 3 Credits

Anth 485
Field Seminar in Archaeology: Survey in Excavation

Please see description under "Special Programs" on page 19.

Anth 485A
Field Seminar in Archaeology Lab

Please see description under "Special Programs" on page 19.



See "Location Key" on page 3 for explanation of campus, building, floor, and room codes (e.g., HC 020/3/618).

Art

Art C100
Language of Art
The course teaches students to begin to understand the processes of artistic creation. It enables the student to grasp the expressive content of works of art in a wide variety of media and to analyze how the artist creates his/her effect. It is not an historical survey. Through lectures, discussions, field trips and museum visits, the student studies paintings, sculptures, and buildings with examples chosen as often as possible from the Boston area. The course addresses such concepts as rhythm, pacing, elements of stability versus change and the possibilities of differing interpretations of subject matter through formal variations. It offers a solid introduction to the arts by developing the student's ability to see and analyze forms as the result of aesthetic and interpretive decisions. Instruction in writing and critical thinking is provided.
Core Area: The Arts.

May 28–Jul 10, MTuWTh 10:00–11:30am, HC 020/3/407, Mr Omari, Sched No 705454, 3 Credits

Jul 15–Aug 22, TuTh 6:00–9:00pm, HC 020/3/407, Mr Cassidy, Sched No 705509, 3 Credits

Art C199
Visual Thinking
This course serves as an introduction to the visual arts by emphasizing how one thinks visually. It provides training and exploration in the organization of sensory experiences—experiences which are found already ordered in forms of art and design or which are encountered haphazardly in the world around one. Writing assignments will complement studio exercises, lectures, and selected readings dealing with issues such as space, light, color, and composition.
Core Area: The Arts.

Jul 15–Aug 22, MTuWTh 8:15–10:15am, HC 090/8/009, Ms Erman, Lab Fee: $25.00, Sched No 705709, 3 Credits

Art C250
Art of the Twentieth Century
An analysis of the art of the twentieth century involves fundamental issues of form and content shared by all the arts. Taking a threefold approach—formal, critical, and historical—this course examines the developments of modern painting, sculpture, and architecture as well as the ascendant art forms of photography, video, and performance. It analyzes general theories and specific works in detail. Through class discussions, reading assignments, papers, and field trips, the student learns that the formal problems posed by twentieth-century art are closely related to those in literature, music, and theatre, for they are problems of structure and definition, harmony and rhythm, diction and coherence. The student thus develops critical capabilities that he/she can apply to works by Picasso or Eliot, Matisse or Ravel. Instruction provided in translating visual experience into the written word.
Prerequisite: Sophomore standing.
Core Area: The Arts.

May 28–Jul 10, TuTh 6:00–9:00pm, HC 020/3/407, Staff, Sched No 705909, 3 Credits

Art C265
Film Analysis
Any thorough and systematic study of film, because of its essentially interdisciplinary nature, must address concerns and problems common to other forms of artistic expression such as literature, theatre, painting, and photography. The particular approach taken in this course to the study of film offers an encounter with the works that goes beyond the conventional experience of theatre and TV viewing and employs special methods of projection that permit detailed analysis by means of the use of slow motion and still frame techniques. The films thus studied will include examples of classic Hollywood, contemporary American, and foreign feature films, and the documentary. The course is not primarily historical in emphasis; rather, its concerns are the visual language of film, its use as the vehicle for narrative and theme, and major film types and styles. Papers are intended to develop skills in writing and critical thinking through the analysis and interpretation of sequences from the films studied in class.
Prerequisite: Sophomore standing.
Core Area: The Arts.

Jul 15–Aug 22, MTuWTh 10:30am–1:00pm, HC 020/3/407, Mr Risse, Lab Fee: $25.00, Sched No 706103, 3 Credits

Art 281
Drawing I
Basic materials and techniques, with emphasis on drawing as a primary means for the description and interpretation of man and his environment. Problems in still life, landscape, and life drawing.
Prerequisite: One 100-level Art course.

May 28–Jul 10, MTuWTh 8:15–11:00am, HC 090/8/016, Staff, Sched No 706303, 3 Credits

Art 293
Photography I
This course introduces the student to basic issues in photography. The mechanics of the camera, the techniques of the darkroom, and matters of creative and personal import are addressed through illustrated lectures, class critiques, and assigned lab hours. Some attention is given to the history of photography. Note: Photographic materials are expensive. In addition to the lab fee, which provides chemicals and miscellaneous darkroom supplies, students must expect to invest a minimum of $75.00 in paper and film.
Prerequisite: One 100-level Art course.

Lect: May 28–Jul 10, TuWTh 12:00–4:00pm, HC 090/8/025, Mr Angier, Sched No 706503, 4 Credits
Lab: May 28–Jul 10, MF 12:00–4:00pm, HC 090/8/025, Mr Angier, Lab Fee: $25.00, Sched No 706553

Art 380
Visual Books
This studio course will concentrate on traditional and non-traditional visual books as structures for the presentation of ideas. Each student will be required to produce a book using existing or newly created images in any medium. The history and contemporary use of the artist's book will be examined and discussed through viewing of artists' books, lectures by two book artists, and trips to libraries in Boston with rare and/or artist book collections. Class time will also include simple bookbinding demonstrations and group critiques of work in progress. Work on the individual books themselves will be done outside of class.
Note: A lab fee of $30 will be required of students needing to use the photography lab.
Prerequisite: Two studio courses in any one medium or permission of the instructor.

Jul 15–Aug 22, MTuWTh 11:30am–2:15pm, HC 090/8/009, Ms Erman, Sched No 706753, 3 Credits

Biology

Biol C101
The Basis of Life
The uniqueness of life within the physical universe. The matter and energy of life, the genetic code, molecular biology, and the origin and evolution of life. An overview for students in the humanities and social sciences of those features which distinguish living organisms from non-living things. No background in the natural sciences is required.
Core Area: Natural Sciences.

May 28–Jun 27, MTuWThF 8:15–9:50am, HC 010/2/200, Staff, Sched No 708456, 3 Credits

May 28–Jul 10, MW 6:00–9:00pm, HC 010/2/200, Staff, Sched No 708501, 3 Credits

Biol C102
Evolutionary Biology
Designed for students in the social sciences and humanities. Those areas of genetics, ecology and evolution that form a unified approach to the study of organisms and populations. No background in the natural sciences is required.
Core Area: Natural Sciences.

Jul 1–Aug 1, MTuWThF 8:15–9:50am, HC 010/2/200, Staff, Sched No 708701, 3 Credits

Biol 108
Introduction to Nutrition
Introduction to the elements of nutrition with emphasis on nutrition for humans; examination of foodstuffs and nutritional quality, physiology of food utilization, food quality regulations and the global ecology of food production. No background in the natural sciences is required.

May 28–Jul 10, MTuWTh 10:00–11:30am, HC 010/1/057, Staff, Sched No 709600, 3 Credits

May 28–Jul 10, TuTh 6:00–9:00pm, HC 010/1/057, Staff, Sched No 709650, 3 Credits

Jul 15–Aug 22, MW 6:00–9:00pm, HC 010/1/057, Staff, Sched No 709705, 3 Credits

Biol C111
General Biology I
An integrated course stressing the principles of biology. Life processes are examined primarily at the molecular and cellular levels. Intended for students majoring in biology or for non-majors who wish to take advanced biology courses.
Core Area: Natural Sciences.

Lect: May 28–Jul 10, MTuWTh 10:00–11:30am, HC 020/1/409, Staff, Sched No 708901, 4 Credits
Lect: May 28–Jul 10, MW 6:00–9:00pm, HC 020/1/409, Staff, Sched No 708951, 4 Credits
Lab: May 28–Jul 10, MW 12:00–3:00pm, Lab Fee: $20.00, Sched No 709000
Lab: May 28–Jul 10, TuTh 6:00–9:00pm, Lab Fee: $20.00, Sched No 709050

Biol C112
General Biology II
An integrated course stressing the principles of biology. Life processes are examined primarily at the organismal and population levels. Intended for students majoring in biology or for non-majors who wish to take advanced biology courses.
Prerequisite: Biol C111.
Core Area. Natural Sciences.

Lect: Jul 15–Aug 22, MTuWTh 10:00–11:30am, HC 020/1/409, Staff, Sched No 709250, 4 Credits
Lect: Jul 15–Aug 22, MW 6:00–9:00pm, HC 020/1/409, Staff, Sched No 709305, 4 Credits
Lab: Jul 15–Aug 22, MW 12:00–3:00pm, Lab Fee: $20.00, Sched No 709355
Lab: Jul 15–Aug 22, TuTh 6:00–9:00pm, Lab Fee: $20.00, Sched No 709400

Biol 207
Anatomy and Physiology I
A study of the human organism, correlating structures and physiological mechanisms. Emphasis on skin, the special senses, and the skeletal, articular, muscular, nervous, and endocrine systems. Required of nursing and medical technology majors. May be taken as an elective by biology majors.
Prerequisite: Biol C111 or permission of instructor.

Lect: May 28–Jun 27, MTuWTh 8:00–10:00am, HC 010/1/088, Mr Guimond, Sched No 710102, 4 Credits
Lab: May 28–Jun 27, MW 10:00am–1:00pm, Lab Fee: $20.00, Sched No 710152
Lab: May 28–Jun 27, TuTh 10:00am–1:00pm, Lab Fee: $20.00, Sched No 710207

Biol 208
Anatomy and Physiology II
Emphasis on the digestive, circulatory, respiratory, excretory, and reproductive systems. Required of nursing and medical technology majors. May be taken as an elective by biology majors.
Prerequisite: Biol 207.

Lect: Jul 1–Aug 1, MTuWTh 8:00–10:00am, HC 010/1/088, Mr Yelle, Sched No 710407, 4 Credits
Lab: Jul 1–Aug 1, MW 10:00am–1:00pm, Lab Fee: $20.00, Sched No 710457
Lab: Jul 1–Aug 1, TuTh 10:00am–1:00pm, Lab Fee: $20.00, Sched No 710502

Biol 209
Medical Microbiology
Introduction to viruses, bacteria, fungi, protozoa which may be pathogenic to man and animals, immunology, epidemiology, clinical microbiology. Laboratory introduces sterile techniques, maintenance of pure cultures, isolation, identification and immunological methods.
Prerequisites: Biol C111; Chem C103 and C104 or Chem C107 and C108 or equivalent.

Lect: Jul 15–Aug 22, MTuWTh 10:00–11:30am, HC 010/2/198, Mr Rhodes, Sched No 710724, 4 Credits
Lab: Jul 15–Aug 22, MW 12:30–3:30pm, Lab Fee: $40.00, Sched No 710780
Lab: Jul 15–Aug 22, TuTh 12:30–3:30pm, Lab Fee: $40.00, Sched No 710796

Biology Courses on Nantucket

Biol 200N
Field Biology on Nantucket—Marsh Ecology

Biol 346N
Marine Ecology

Please see description under "Special Programs" on page 20.

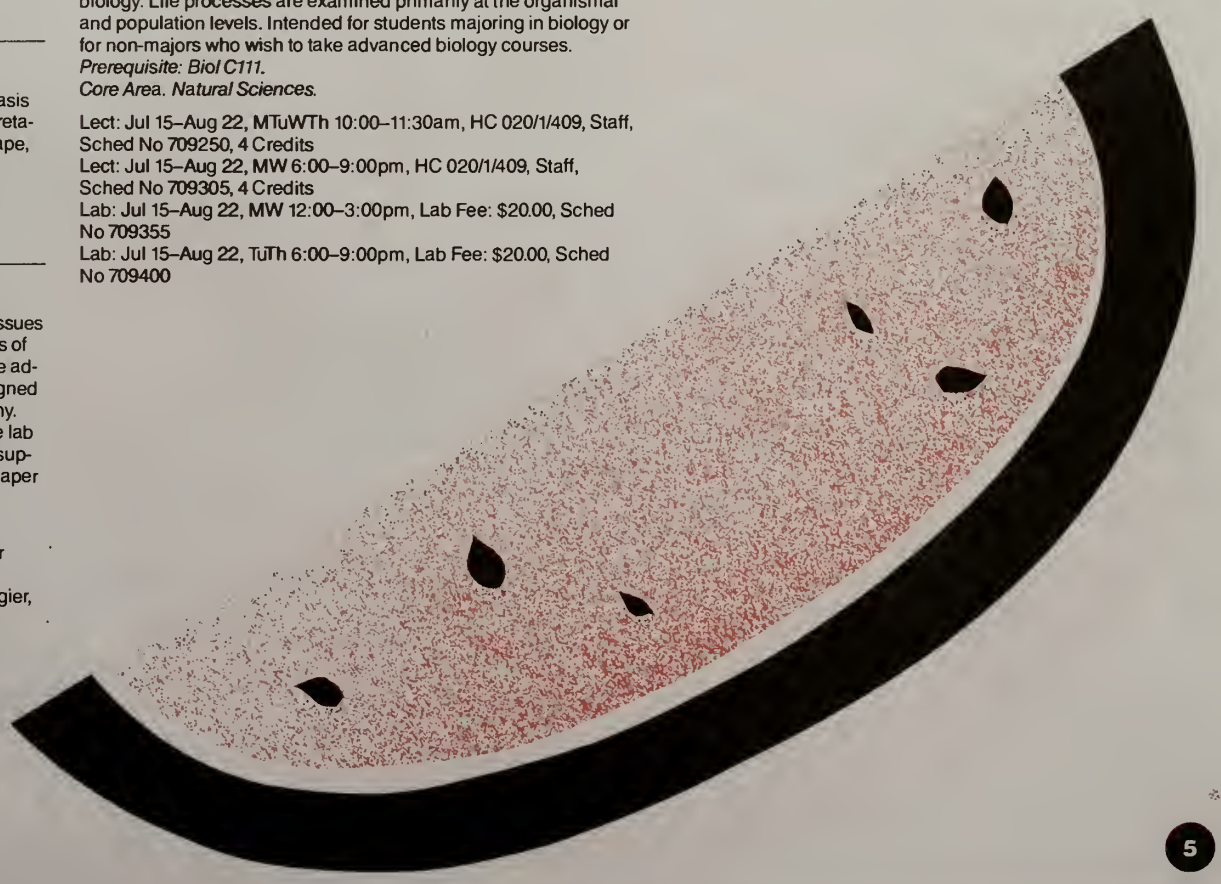
Black Studies

Blk Sty 104
Drug Abuse and the Black Community
An overview of the history and current problems evolving from drug abuse in black urban communities in the United States. Discrimination, prejudice, limited access to opportunity structures, treatment for the use of drugs, the law, community institutions, and value systems are examined as they pertain to drug use in the black community.

May 28–Jul 10, TuTh 6:00–9:00pm, DC 608, Staff, Sched No 711401, 3 Credits

Blk Sty 480
Black Labor Movement
This course deals with the plight of black workers in the post-World War II era. Emphasis on legal issues surrounding the struggle of black workers for full equality on the job and in their unions.

Jul 15–Aug 22, MW 6:00–9:00pm, DC 608, Staff, Sched No 711601, 3 Credits



Chemistry

Chem C103
Chemical Principles I
Introduction to the fundamental principles of chemistry including structure, the periodic table of the elements, chemical bonding and molecular structure, states of matter based on kinetic theory, chemical kinetics, equilibria, and elementary thermodynamics. Laboratory work presents an introduction to quantitative chemical methods and techniques.
Core Area: Natural Sciences.

Day Lect: May 28–Jul 10, MTuWTh 10:00–11:15am, HC 080/1/009, Mr Weibrecht, Mr Zompa, Sched No 712005, 4 Credits
Lab: May 28–Jul 10, MW 12:30–3:30pm, Lab Fee: $45.00, Sched No 712100
Dis: May 28–Jul 10, Tu 11:30am–12:20pm, HC 080/1/009, Sched No 712255

Lab: May 28–Jul 10, TuTh 12:30–3:30pm, Lab Fee: $45.00, Sched No 712150
Dis: May 28–Jul 10, W 11:30am–12:20pm, HC 080/1/009, Sched No 712300

Evening Lect: May 28–Jul 10, MTuWTh 5:30–6:45pm, HC 080/1/006, Mr Carter, Sched No 712055, 4 Credits
Lab: May 28–Jul 10, TuTh 5:30–8:30pm, Lab Fee: $45.00, Sched No 712205
Dis: May 28–Jul 10, W 7:00–7:50pm, HC 080/1/006, Sched No 712350

Chem C104
Chemical Principles II
Introduction to electrochemistry, oxidation-reduction reactions, acid-base systems, and a survey of the chemical properties of elements based on principles already introduced. Laboratory work presents qualitative and quantitative analysis.
Prerequisite: Chem C103.
Core Area: Natural Sciences.

Day Lect: Jul 15–Aug 22, MTuWTh 10:00–11:15am, HC 080/1/009, Staff, Sched No 712550, 4 Credits
Lab: Jul 15–Aug 22, MW 12:30–3:30pm, Lab Fee: $45.00, Sched No 712655
Dis: Jul 15–Aug 22, Tu 11:30am–12:20pm, HC 080/1/009, Sched No 712805

Lab: Jul 15–Aug 22, TuTh 12:30–3:30pm, Lab Fee: $45.00, Sched No 712700
Dis: Jul 15–Aug 22, W 11:30am–12:20pm, HC 080/1/009, Sched No 712855

Evening Lect: Jul 15–Aug 22, MTuWTh 5:30–6:45pm, HC 080/1/006, Staff, Sched No 712605, 4 Credits
Lab: Jul 15–Aug 22, TuTh 5:30–8:30pm, Lab Fee: $45.00, Sched No 712750
Dis: Jul 15–Aug 22, W 7:00–7:50pm, HC 080/1/006, Sched No 712900

Chem C107
Introduction to Chemistry I
Atomic and molecular structure, bonding energetics, and chemical reactions, as well as the theoretical principles of general chemistry, are considered. Required for nursing majors. Also open to non-science majors.
Core Area: Natural Sciences.

Lect: May 28–Jul 10, MTuWTh 10:00–11:15am, HC 020/1/608, Staff, Sched No 713104, 4 Credits
Lab: May 28–Jul 10, MW 11:30am–1:30pm, Lab Fee: $35.00, Sched No 713154
Dis: May 28–Jul 10, Th 11:30am–12:20pm, HC 020/1/608, Sched No 713209

Chem C108
Introduction to Chemistry II
Basic organic chemistry, nomenclature, classes of compounds, and reactions of these classes are discussed as an introduction to a survey of biochemistry. Required for nursing majors. Also open to non-science majors.
Prerequisite: Chem 107.
Core Area: Natural Sciences.

Lect: Jul 15–Aug 22, MTuWTh 10:00–11:15am, HC 020/1/608, Staff, Sched No 713409, 4 Credits
Lab: Jul 15–Aug 22, MW 11:30am–1:30pm, Lab Fee: $35.00, Sched No 713459
Dis: Jul 15–Aug 22, 11:30am–12:20pm, HC 020/1/608, Sched No 713504

Chem 253
Organic Chemistry I
An intensive survey of structure, reactions, and synthesis of the main classes of organic compounds. Laboratory illustrates the preparation, purification, and identification of organic compounds by classical and instrumental methods.
Prerequisite: Chem C104.

Lect: May 28–Jul 10, MTuWTh 10:00–11:30am, HC 080/1/006, Mr Cerny, Sched No 713704, 4 Credits
Lab: May 28–Jul 10, MW 1:00–4:00pm, Lab Fee: $45.00, Sched No 713754
Dis: May 28–Jul 10, Tu 11:30am–12:20pm, HC 080/1/006, Sched No 713859

Lab: May 28–Jul 10, TuTh 1:00–4:00pm, Lab Fee: $45.00, Sched No 713809
Dis: May 28–Jul 10, W 11:30am–12:20pm, HC 080/1/006, Sched No 713904

Chem 254
Organic Chemistry II
A continuation of Chemistry 253. An intensive survey of structure, reactions and synthesis of the main classes of organic compounds. Laboratory illustrates the preparation, purification, and identification of organic compounds by classical and instrumental methods.
Prerequisite: Chem 253.

Lect: Jul 15–Aug 22, MTuWTh 10:00–11:30am, HC 080/1/006, Mr Cerny, Sched No 714108, 4 Credits
Lab: Jul 15–Aug 22, MW 1:00–4:00pm, Lab Fee: $45.00, Sched No 714158
Dis: Jul 15–Aug 22, Tu 11:30am–12:20pm, HC 080/1/006, Sched No 714253

Lab: Jul 15–Aug 22, TuTh 1:00–4:00pm, Lab Fee: $45.00, Sched No 714203
Dis: Jul 15–Aug 22, W 11:30am–12:20pm, HC 080/1/006, Sched No 714308

Classics

Clsics C171
The Greeks
Selected masterpieces of Greek literature (Homer, the tragedians, Plato, Aristophanes) are read in modern English translation. Background lectures and discussions emphasize characteristic values of ancient Greek civilization. Instruction and practice in effective writing.
Core Area: Philosophical and Humanistic Studies.

May 28–Jul 10, MTuWTh 10:00–11:30am, HC 020/3/617, Staff, Sched No 714708, 3 Credits

Economics

Econ C101
Introductory Economics I
A broad introductory survey in which special attention will be given to the role of economic principles in analyzing and understanding current economic problems. Emphasis will be placed on the functioning of markets and on examining the behavior of individual economic units such as the business firm and the consumer (microeconomics). Other areas of emphasis will vary from section to section and may include: industrial organization, income distribution, international trade, economics of the environment and other topics. (May be taken after Econ C102.)
Core Area: Social and Behavioral Sciences.

May 28–Jul 10, MTuWTh 8:15–10:00am, HC 020/2/205, Mr Ferleger, Sched No 716706, 3 Credits

May 28–Jul 10, TuTh 6:00–9:00pm, DC 509, Mr Millman, Sched No 716756, 3 Credits

Jul 15–Aug 22, MTuWTh 10:00–11:30am, HC 020/2/205, Mr Millman, Sched No 716801, 3 Credits

Jul 15–Aug 22, TuTh 6:00–9:00pm, DC 509, Mr Ferleger, Sched No 716851, 3 Credits

Econ 101
Introductory Economics I
A broad introductory survey in which special attention will be given to the role of economic principles in analyzing and understanding current economic problems. Emphasis will be placed on the functioning of markets and on examining the behavior of individual economic units such as the business firm and the consumer (microeconomics). Other areas of emphasis will vary from section to section and may include: industrial organization, income distribution, international trade, economics of the environment, and other topics. (May be taken after Econ 102.)

May 28–Jul 10, MTuWTh 10:00–11:30am, HC 020/2/621, Ms Donovan, Sched No 717300, 3 Credits

May 28–Jul 10, MW 6:00–9:00pm, DC 509, Mr Gershenberg, Sched No 717350, 3 Credits

Jul 15–Aug 22, MTuWTh 11:45am–1:15pm, HC 020/2/621, Mr Millman, Sched No 717405, 3 Credits

Econ C102
Introductory Economics II
A broad introductory survey in which special attention will be given to the role of economic principles in analyzing and understanding current economic problems. Emphasis will be placed on examining the overall functioning of the economy and dealing with such matters as unemployment, inflation and recession. Other areas of emphasis will vary from section to section and may include: economics of government spending and taxation, economic development, alternative economic systems and other topcis. (May be taken before Econ C101.)
Core Area: Social and Behavioral Sciences.

May 28–Jul 10, MW 6:00–9:00pm, DC 510, Mr Jagannathan, Sched No 717055, 3 Credits

Jul 15–Aug 22, MTuWTh 11:45am–1:15pm, HC 020/2/205, Mr Martin, Sched No 717100, 3 Credits

Econ 102
Introductory Economics II
A broad introductory survey in which attention will be given to the role of economic principles in analyzing and understanding current economic problems. Emphasis will be placed on examining the overall functioning of the economy and dealing with such matters as employment, inflation and recession. Other areas of emphasis will vary from section to section and may include: economics of government spending and taxation, economic development, alternative economic systems and other topics. (May be taken before Econ 101.)

May 28–Jul 10, MTuWTh 11:45am–1:15pm, HC 020/2/621, Mr Chiong, Sched No 717605, 3 Credits

Jul 15–Aug 22, MW 6:00–9:00pm, DC 510, Mr Mass, Sched No 717655, 3 Credits

Econ 155
Statistical Methods
A non-calculus introduction to statistical inference. Primary objective is to familiarize the students with common statistical concepts so they will be able to make intelligent evaluations of technical reports. The first half of the course covers probability including common distributions. Second half studies hypothesis testing including T-Ttests, goodness of fit, contingency tables, analysis of variance, regression, and correlation.
Prerequisite: Placement into Math 110 or equivalent.

May 28–Jul 10, MTuWTh 10:00–11:30am, HC 020/2/205, Mr Chiong, Sched No 717855, 3 Credits

Econ 201
Economic Theory I, Microeconomics
Analysis of consumer behavior, the theory of production equilibrium of the firm and the industry, market structures and the pricing of factors of production.
Prerequisite: Econ C101 or 101.

May 28–Jun 27, MTuWTh 11:45am–1:45pm, HC 020/2/423, Ms Stewart, Sched No 718059, 3 Credits

Econ 202
Economic Theory II, Macroeconomics
Analysis of the forces determining the level and structure of gross national output, and those government policies which attempt to affect economic activities in the United States.
Prerequisites: Econ C101 or 101 and C102 or 102.

Jul 15–Aug 22, MTuWTh 8:15–10:00am, HC 020/2/621, Mr Abraham, Sched No 718259, 3 Credits

Jul 15–Aug 22, TuTh 6:00–9:00pm, DC 510, Mr Abdullah, Sched No 718304, 3 Credits

Econ 225
American Economic History
This is a course in the economic history of the United States. It begins with a study of the colonial period to make clear the economic basis of the Revolutionary War. The course will then cover the industrial revolution in the United States and the economic basis for slavery and the Civil War. The course will then cover such 20th-century issues as the broad-scale conflict between capital and labor during and after WWI, the weakness of the U.S. economy during the 1920s, and the Great Depression.
Prerequisites: Econ C101 or 101 and C102 or 102.

May 28–Jul 10, MTuWTh 10:00–11:30am, HC 020/2/208, Mr Ferleger, Sched No 718504, 3 Credits

Econ 231
Money and Financial Institutions
An economic analysis of financial institutions and markets in the American economy. Institutional and economic factors in the determination of the money supply are studied. Included are the commercial banking system and the money and capital markets. Policy making, both formulative and implementative, by the central bank is emphasized. Current policy issues are debated.
Prerequisites: Econ C101 or 101 and Econ C102 or 102.

Jul 15–Aug 22, MTuWTh 10:00–11:30am, HC 020/2/208, Mr Abraham, Sched No 718704, 3 Credits

Econ 235
International Economics
The theory of international trade; theory and practice of commercial policy; international finance: the balance of payments, adjustment mechanisms, and alternative monetary systems.
Prerequisites: Econ C101 or 101 and C102 or 102.

May 28–Jul 10, TuTh 6:00–9:00pm, DC 510, Mr Gershenberg, Sched No 718904, 3 Credits

Econ 251
Economic Philosophy
A transdisciplinary seminar on the image of man in economics compared to the image of man as seen by other disciplines such as philosophy (including existentialism), anthropology, sociology, psychology, and psychoanalysis.
Prerequisite: Econ C101 or 101 or permission of instructor.

May 28–Jun 27, MTuWTh 11:45am–1:45pm, HC 020/2/208, Mr Wolozin, Sched No 719108, 3 Credits

Elementary Education

Elm Ed 334
Methods and Materials for Special Needs Children in the Regular Classroom
This course emphasizes the individualizing of instruction for children with special needs in regular classrooms. Students develop and demonstrate skills in individualized instruction for children with special needs; and prepare appropriate strategies for fostering successful learning experiences.
Prerequisite: Elm Ed 203.

May 28–Jun 27, MTuWTh 4:00–6:00pm, HC 020/1/417, Mr Sullivan, Sched No 719908, 3 Credits

English

Engl 101
Freshman English I
Small class instruction and practice in grammar, rhetoric, and the articulation of logical thought. Practice in writing for college courses on various kinds of topics, many from experience and observation, chosen to develop the student's confidence and ability. Readings and materials vary from section to section, but all sections require a minimum of eight 600-word papers.
Note: This course satisfies the first half of the College of Arts and Sciences writing requirement.

May 28–Jul 10, MTuWTh 8:15–10:00am, HC 020/1/614, Staff, Sched No 721204, 3 Credits

May 28–Jul 10, MW 6:00–9:00pm, DC 507, Staff, Sched No 721309, 3 Credits

Jul 15–Aug 22, MTuWTh 10:00–11:30am, HC 020/1/614, Staff, Sched No 721254, 3 Credits

Jul 15–Aug 22, TuTh 6:00–9:00pm, DC 507, Staff, Sched No 721359, 3 Credits

Engl 102
Freshman English II
Continuation of Engl 101, with emphasis on topics and writing assignments of the kinds encountered in many types of college courses. Readings and materials vary from section to section, but all sections require a minimum of seven papers, including a longer research paper.
Note: This course satisfies the second half of the College of Arts and Sciences writing requirement.

May 28–Jul 10, MTuWTh 11:45am–1:15pm, HC 020/1/614, Staff, Sched No 721804, 3 Credits

Jul 15–Aug 22, MTuWTh 8:15–10:00am, HC 020/1/614, Staff, Sched No 721854, 3 Credits

Jul 15–Aug 22, MW 6:00–9:00pm, DC 507, Staff, Sched No 721909, 3 Credits

Engl C130
Introduction to the Art of Literature
Fiction, poetry, drama, essays—what they are and what they mean. An introduction to ways of seeing and understanding literature—its genres, its forms, its styles, its methods and meanings. We will explore the common ground between literature and the other arts, while keeping in view the crucial differences.
Core Area: The Arts.

May 28–Jul 10 MTuWTh 10:00–11:30am, HC 020/1/614, Staff, Sched No 720305, 3 Credits

Engl C201
Five Major British Writers
Representative works by five of the most important writers from the 14th to the 19th century, studied as introductions to philosophical and humanistic studies, explored as reflecting and shaping the leading ideas, assumptions, and values of their ages. Works by Chaucer, Shakespeare, and other authors such as Milton, Swift, and Austen, with films and background lectures on the philosophical and historical contexts of the works and their authors. Instruction in analytical reading and writing will be provided.
Core Area: Philosophical and Humanistic Studies.

May 28–Jul 10, MTuWTh 8:15–10:00am, HC 020/1/417, Staff, Sched No 720505, 3 Credits

Jul 15–Aug 22, MTuWTh 10:00–11:30am, HC 020/1/417, Staff, Sched No 720555, 3 Credits

Engl C204
The Nature of Literature: Fiction
An introduction to various critical approaches to the understanding and appreciation of fiction. Close reading of short stories and novels with special attention to the language and forms of fiction, as well as the writing of critical and interpretive papers. Comparison of fiction both to the visual arts (e.g., point of view, setting, imagery) and to music (e.g., prose rhythm, duration, thematic repetition, and variation). Attention to developing a sense of the milieu in which an artist works.
Prerequisite: Completion of freshman writing requirement.
Core Area: The Arts.

May 28–Jul 10, MTuWTh 10:00–11:30am, HC 020/1/417, Staff, Sched No 720755, 3 Credits

Jul 15–Aug 22, MW 6:00–9:00pm, DC 509, Staff, Sched No 720800, 3 Credits

Engl C210
Introduction to Creative Writing
An introduction to the arts through the medium of writing as well as reading poetry, fiction, and drama. Student writing will be submitted weekly and discussed in class.
Prerequisite: Completion of freshman writing requirement.
Core Area: The Arts.

May 28–Jul 10, MTuWTh 11:45am–1:15pm, HC 020/1/417, Staff, Sched No 721004, 3 Credits

Engl 215
Intermediate Composition: Writing in the Business World
This course examines the elements and forms of good business writing, with particular reference to corporate practice. Designed for those with little or no formal training in writing beyond freshman composition, it covers the standard business forms (letter, memorandum, product description, sales proposal, and special report) and the elements of style (usage, syntax, sentence construction, and verbal economy). Consideration will be given to the styles appropriate for different business situations and the full range of devices available for persuasion. Background data for assignments will be culled from the *American Business Communication Casebooks* and such major reference works as Moody's *Industrial Manual* and the *World Directory of Multinational Enterprise.*
Prerequiste: Engl 102.

May 28–Jul 10, MTuWTh 8:15–10:00am, HC 020/1/418, Staff, Sched No 722408, 3 Credits

May 28–Jul 10, TuTh 6:00–9:00pm, DC 507, Staff, Sched No 722353, 3 Credits

Jul 15–Aug 22, MTuWTh 10:00–11:30am, HC 020/1/418, Staff, Sched No 722458, 3 Credits

Engl 230
Introduction to American Literature I
Prose and poetry of American writers from the first explorers through the Civil War, the ages of Puritanism, Revolution, and Romanticism. Among the texts, many of which are historical, philosophical, political, and religious in nature, will be works by William Bradford, John Smith, Anne Bradstreet, John Winthrop, Thomas Paine, Benjamin Franklin, Jonathan Edwards, Phyllis Wheatley, Indian orators, Hawthorne, Poe, Emerson, Whitman, Melville, and Frederick Douglass.

May 28–Jul 10, MTuWTh 10:00–11:30am, HC 020/1/418, Staff, Sched No 722658, 3 Credits

Engl 231
Introduction to American Literature II
American life and letters in times of boom and bust after the Civil War—the Great Barbecue, the Brown Decades, the Great War, Depression and after—studied in the fiction of such writers as Twain, James, Hemingway, Fitzgerald, Baldwin, and Bellow; poets such as Dickinson, Frost, Stevens, Lowell, and Plath; and dramatists such as O'Neill and Miller. Light shed through literary art on 19th and 20th century American problems, and on the conflict between American Dream and American reality.

Jul 15–Aug 22, MTuWTh 10:00–11:30am, HC 020/3/617, Staff, Sched No 722858, 3 Credits

Engl 324
Short Story
A study of the short story, chiefly as a genre of this century. The course will trace its development from 19th century origins, concentrating its reading on such American and Irish writers as Welty, O'Connor, Cheever, Lavin, Joyce, Hemingway, Montague, and considering as well the statements made by short story writers on the poetics of short fiction.

May 28–Jul 10, MTuWTh 11:45am–1:15pm, HC 020/1/418, Staff, Sched No 723052, 3 Credits

Engl 410
The Modern Period
A study of the phenomenon of "modernism" in, roughly, the first half of the 20th century in Britain and America. Reading and discussion of such writers as Yeats, Joyce, Lawrence, Woolf, Eliot, Hemingway, Pound, and Faulkner.

Jul 15–Aug 22, MTuWTh 8:15–10:00am, HC 020/1/418, Staff, Sched No 723252, 3 Credits

English as a Second Language

Engl 101E
Freshman English I
Practice in writing on various kinds of topics chosen to develop students' confidence and ability as writers. Readings and materials will vary from section to section, but all sections will require a minimum of seven papers. This special ESL section of Freshman Composition is designed to meet the special needs of ESL students. In particular, the course emphasizes English syntax from a non-native point of view. For bilingual students only.

May 28–Jul 10, MTuWTh 11:45am–1:15pm, HC 020/1/617, Staff, Sched No 721559, 3 Credits

Jul 15–Aug 22, MTuWTh 10:00–11:30am, HC 020/1/617, Staff, Sched No 721604, 3 Credits

Engl 102E
Freshman English II
Continued practice in writing on various topics with an emphasis on more difficult readings, using the library and research skills. Students will again write about seven papers with one research paper. Attention given to English grammar from a non-native point of view. For bilingual students only.

May 28–Jul 10, MTuWTh 11:45am–1:15pm, HC 010/1/056, Staff, Sched No 722103, 3 Credits

Jul 15–Aug 22, MTuWTh 11:45am–1:15pm, HC 020/1/617, Staff, Sched No 722153, 3 Credits

Engineering

Engin 271
Circuit Analysis Laboratory
An introductory electrical measurements and linear circuit analysis laboratory to accompany the first semester sophomore-level electrical engineering courses. Topics include voltage and current division, Thevenin's Theorem, operational amplifiers, first order circuits, second order circuits, and phase measurements.
Prerequisite: Engin 200 or permission of the instructor.

May 28–Jul 10, W 12:00–2:30pm, HC 080/3/126, Lab Fee: $10.00, Staff, Sched No 723652, 1 Credit

Engin 272
Active Circuits Laboratory
An electrical measurements laboratory to accompany the second semester sophomore-level electrical engineering courses: Systems Analysis II and Active Networks I. Topics include power and phase measurements, frequency response, transformers, Fourier series, transistor configurations, digital circuits.
Prerequisites: Engin 271; Engin 211 and Engin 212, or permission of the instructor.

Jul 15–Aug 22, W 12:00–2:30pm, HC 080/3/126, Lab Fee: $10.00, Staff, Schedule No 723852, 1 Credit

Engin 282
Microelectronics Lab
An electronics laboratory to accompany the second semester sophomore level electrical engineering course, Active Networks I (Engin 212). Topics include: diode and transistor circuits, operational amplifiers and linear IC, power supply, resistors and active switches.
Prerequisite: Engin 200.
Corequisite: Engin 212.

May 28–Jul 10, TuTh 12:00–2:30pm, HC 080/3/013, Lab Fee: $10.00, Staff, Sched No 724056, 1 Credit

See "Location Key" on page 3 for explanation of campus, building, floor, and room codes (e.g., HC 020/3/618).

Essential Skills/Management

ESM 210
Critical Thinking and Writing
Offers instruction and practice in the writing of persuasive, analytical prose. The course encourages students to write with the clarity and coherence necessary for managerial problem solving. *It is required for students who have not passed the College of Management Writing Proficiency Examination by the time they have earned 30 credits.*
Prerequisite: Enrollment in the College of Management.

May 28–Jul 10, MTuWTh 10:00–11:30am, HC 010/1/020, Staff, Sched No 724456, 3 Credits

French

French C101
Elementary French 1
Intensive practice in the four language skills, with an audio-lingual approach, for students who have no creditable training in French.
Core Area: Foreign Languages.

Lect: May 28–Jun 27, MTuWTh 10:00am–12:45pm, HC 020/1/420, Staff, Sched No 724856, 4 Credits
Lab: May 28–Jun 27, MTuWTh 1:00–1:40pm, Lab Fee: $4.00, Sched No 724901

French C102
Elementary French II
A continuation of French 101. Intensive practice in the four language skills, with an audio-lingual approach, for students who have completed French 101 or its equivalent.
Core Area: Foreign Languages.

Lect: Jul 1–Aug 1, MTuWTh 10:00am–12:45pm, HC 020/1/420, Staff, Sched No 725105, 4 Credits
Lab: Jul 1–Aug 1, MTuWTh 1:00–1:40pm, Lab Fee: $4.00, Sched No 725155

French C201
Intermediate French I
Intensive review and further study of grammar and audio-lingual skills with correlated intermediate-level readings in French literature or culture.
Prerequisite: French 102, 115 or equivalent.
Core Area: Foreign Languages.

Lect: May 28–Jun 27, MTuWTh 10:00am–12:45pm, HC 020/1/428, Staff Sched No 725355, 4 Credits
Lab: May 28–Jun 27, MTuWTh 1:00–1:40pm, Lab Fee: $4.00, Sched No 725400

French C202
Intermediate French II
Continuation of French C201. Intermediate-level readings in French literature or culture. This course may be used to fulfill the second semester of the intermediate-level language requirement.
Prerequisite: French C201 or equivalent.
Core Area: Foreign Languages.

Lect: Jul 1–Aug 1, MTuWTh 10:00 am–12:45pm, HC 020/1/428, Staff, Sched No 725600, 4 Credits
Lab: Jul 1–Aug 1, MTuWTh 1:00–1:40pm, Lab Fee: $4.00, Sched No 725650

French 301
Traduction et Stylistique
Intensive study of grammar, stylistics and composition. Problems of idiomatic translation based on contemporary English and American texts.
Prerequisite: French C202 or equivalent or permission of instructor.

May 28–Jul10, MTuWTh 10:00–11:30 am, HC 020/1/619, Staff, Sched No 725850, 3 Credits

Geography and Earth Science

GES C105
Introduction to Earth Science I
A descriptive introduction to geoscience, integrating such fields as geology, meteorology, oceanography, and ecology. Emphasis is placed on understanding geophysical processes of importance to human beings and their environment. Topics included are the origin of the earth, its energy and material resources, earthquakes, volcanism, tides, and the environmental impact of human technology.
Corequisite: GES 107.
Core Area: Natural Sciences.

May 28–Jul 10, MTuWTh 11:45am–1:15pm, HC 080/2/065, Mr. Looney, Sched No 726959, 3 Credits

GES 107
Earth Science Laboratory I
A laboratory course designed to accompany GES C105. Basic experiments include: examination of minerals, rocks, and fluid earth materials, analysis of sedimentary processes and weathering; study of diverse geological processes using topographical and geological maps, aerial photographs, and field trips.
Corequisite: GES C105.

May 28–Jul 10, W 1:30–4:30pm, Mr Looney, Sched No 727153, 1 Credit

GES 110
Physical Geology
A survey of the processes which affect the earth, the materials of which the earth is formed and the earth's internal structure.

May 28–Jul 10, MW 6:00–9:00pm, HC 080/2/065, Mr Genes, Sched No 727353, 3 Credits

GES 225
Weather and Climate
Atmospheric processes forming the basis for weather patterns and climatic development on a global scale. Earth-sun relationships, heating and cooling of the atmosphere, atmospheric circulation, pressure patterns, air mass formation and frontal systems, vertical zonation of climate, and the Koppen System for evaluating and classifying climatic phenomena will be major topics.
Prerequisite: Sophomore standing.

May 28–Jul 10, TuTh 6:00–9:00pm, DC 624, Mr Mensoian, Sched No 727553, 3 Credits

GES 226
Physical Oceanography I
A correlation of the geological, physical, and chemical aspects of the sea.

May 28–Jul 10, MTuWTh 10:00–11:30am, HC 080/2/065, Mr Looney, Sched No 727753, 3 Credits

German

Ger C101
Elementary German
For students with no creditable training in German. Work in the four language skills with particular emphasis on listening and reading comprehension.
Core Area: Foreign Languages.

Lect: May 28–Jun 27, MTuWTh 8:15–10:45am, HC 020/1/421, Mr Boelcskevy, Sched No 726254, 4 Credits
Lab: May 28–Jun 27, MTuW 11:00–11:45am, Lab Fee: $4.00, Sched No 726309

Ger C102
Elementary German
Continuation of Ger C101. Work in the four language skills with particular emphasis on listening and reading comprehension.
Core Area: Foreign Languages.

Lect: Jul 1–Aug 1, MTuWTh 8:15–10:45am, HC 020/1/421, Mr Cedargren, Sched No 726509, 4 Credits
Lab: Jul 1–Aug 1, MTuW 11:00–11:45am, Lab Fee: $4.00, Sched No 726559

History

Hist C111
Foundations of Western Civilization
After a brief survey of the ancient world, the course traces the political, economic and cultural development of Western society from the early Middle Ages to 1715. Emphasis will be given to the critical analysis of primary sources.
Core Area: Historical and Cultural Studies.

May 28–Jul 10, MTuWTh 11:45am–1:15pm, HC 020/2/419, Mr Gagnon, Sched No 728157, 3 Credits

May 28–Jul 10, TuTh 6:00–9:00pm, DC 524, Mr Segal, Sched No 728202, 3 Credits

Hist C112
Modern Western Civilization
This course traces the major political, economic and cultural changes which have shaped Western society from the enlightenment to the present. Special attention will be given to the development of skills in written expression and the critical analysis of primary source materials.
Core Area: Historical and Cultural Studies.

Jul 15–Aug 22, MTuWTh 11:45am–1:15pm, HC 020/2/419, Mr Callanan, Sched No 728402, 3 Credits

Jul 15–Aug 22, TuTh 6:00–9:00pm, DC 524, Mr Hull, Sched No 728452, 3 Credits

Hist C265
The American Experience I
History C265 will introduce students at the intermediate level to the study of American history before 1877. The subject matter will encompass virtually all aspects of American society, and the interrelationship between social structure, economic development, everyday life, culture and formal politics will be explored throughout the course. Attention will be given to the nature of historical inquiry and the development of writing skills.
Prerequisite: Sophomore standing or permission of instructor.
Core Area: Historical and Cultural Studies.

May 28–Jul 10, MTuWTh 10:00–11:30am, HC 020/2/419, Mr Callanan, Sched No 728652, 3 Credits

Hist C266
The American Experience II
A survey of American history from 1877 covering the nature of American social structure, economic development, everyday life, culture, and formal politics. Attention will be given to the nature of historical inquiry and the development of writing skills.
Prerequisite: Sophomore standing or permission of instructor.
Core Area: Historical and Cultural Studies.

Jul 15–Aug 22, MTuWTh 10:00–11:30am, HC 020/2/419, Mr Callanan, Sched No 728852, 3 Credits

Jul 15–Aug 22, MW 6:00–9:00pm, DC 521, Mr Petrin, Sched No 728907, 3 Credits

Register Early!

Summer session courses often fill up early. Why not mail or telephone your course selection now? See page 21 for details.

Hist 478A
War in the 20th Century
Examines the origins, the military plans and realities, and the impact of the two world wars together with a survey of the present state of armed forces and military strategies of the major world powers.

May 28–Jul 10, MTuWTh 8:30–10:00am, HC 020/2/419, Mr Gagnon, Sched No 729101, 3 Credits

Hist 478B
Terrorism in Modern History
This course will study the phenomenon of terrorism by considering twentieth-century political movements that have used or are using terror to achieve their objectives. The course will develop an analytical framework for the study of terrorism and will use this framework in exploring the historical backgrounds, objectives, ideologies, tactics, and membership profiles of selected groups, and considering the responses of their opponents. Among the groups studied will be the I.R.A., the Irgun, the P.L.O., the Baader-Meinhof, and the Ku Klux Klan.
Prerequisite: Junior standing or permission of instructor.

May 28–Jun 27, MTuWTh 11:45am–1:45pm, HC 020/2/421, Mr. Bookbinder, Sched No 729301, 3 Credits

Hist 478C
United States and Vietnam
This course examines U.S. involvement in Vietnam from the 1940s through 1975, including the war and its consequences.
Prerequisite: Junior standing or permission of instructor.

May 28–Jul 10, MW 6:00–9:00pm, DC 524, Mr Pierce, Sched No 729501, 3 Credits

Labor Studies

LS 160
Introduction to Labor History and the American Labor Movement
Examines the work experience (wages, hours, conditions) in different eras from colonial times to the present; forms of collective organization such as unions and political parties; the nature of social class and class consciousness; the formation of and changes in working-class ideology; sources of cleavage such as ethnicity, race, skill and sex; and the role of working people in the making of American history.

May 28–Jul 10, TuTh 6:00–9:00pm, DC 621, Mr Green, Sched No 731502, 3 Credits

LS 228
Introduction to Labor Economics
An examination of the functioning (and malfunctioning) of labor markets in the United States. Topics include: labor force participation; factors affecting the supply of and demand for labor; analysis of wage differentials; the problems of poverty, discrimination, unemployment and inflation and their relationship to labor markets; and the economic impact of collective bargaining.

Jul 15–Aug 22, TuTh 6:00–9:00pm, DC 621, Mr Backman, Sched No 731702, 3 Credits

Latin

Lat C101
Fundamentals of Latin I
Designed to complete a standard basic textbook with Latin C102. Offered in the fall.
Core Area: Foreign Languages.

May 28–Jul 27, MTuWTh 11:45am–1:15pm, HC 020/1/619, Staff, Sched No 732106, 3 Credits

Lat C102
Fundamentals of Latin II
Continuation of Latin C101. Offered in the spring.
Core Area: Foreign Languages.

Jul 1–Aug 1, MTuWTh 11:45am–1:45pm, HC 020/1/619, Staff, Sched No 732306, 3 Credits

Law and Justice

LawJus 103A
Crimes Without Victims: Prostitution, Homosexuality and Pornography
This course will examine a selection of so-called "victimless crimes" from a philosophical and legal perspective. Its concern will be with the question of whether we ought to legislate against certain types of socially disturbing activities and, if so, why. The course will focus on three major categories: prostitution, homosexuality, and pornography.

May 28–Jun 25, MTuWTh 11:45am–1:15pm, HC 020/2/415, Mr Lott, Sched No 730108, 2 Credits

LawJus 103B
Crimes Without Victims: Gambling and Drug Abuse
This course will examine a selection of so-called "victimless crimes" from a philosophical and legal perspective. Its concern will be with the question of whether we ought to legislate against certain types of socially disturbing activities and, if so, why. The course will focus on two major categories: gambling and drug abuse. Readings will be from legal, philosophical, and sociological sources.

Jun 28–Jul 10, MTuWTh 11:45am–1:15pm, HC 020/2/415, Mr Lott, Sched No 730308, 1 Credit

LawJus 103C
Battered Women
The legal, societal, and emotional issues of battered women will be the focus of this course. Discussion of the philosophy and politics of battering, as well as the practical problems faced by battered women. A look at the social and legal remedies presently available and why their effectiveness is so limited. There will also be discussion of how the issue of violence against women finally came to the public's attention, how society has perpetuated the myths behind battering and how the processes which perpetuate the violence can be reversed. In addition, a look at shelters, direct action and legal and legislative reform in this area, including controversial self-defense cases involving battered women who have killed abusive spouses or lovers.

May 29–Jun 19, MW 6:00–9:00pm, DC 621, Ms Butler, Sched No 730508, 2 Credits

LawJus 103D
Women's Self-Defense and the Legal System
This course deals with the fairly recent and controversial issue of self-defense cases involving battered women who fight back.During the last ten years, in such important cases as Joan Little's, Yvonne Wanrow's, and Inez Garcia's, courts have recognized for the first time a woman's right to defend herself against an attacker even if her self-defense ends in the attacker's death.

While these few cases have created a sensation in the media, hundreds of other self-defense cases have gone quietly through the courts in recent years, some ending in acquittal, others in conviction.

This course will examine the history of self-defense cases and discuss the legal, political, and social ramifications of self-defense. The course will also examine the differences in how self-defense has been used for male and female defendants, and why other pleas, such as insanity, have been traditionally relied upon by attorneys representing women.

Jun 24–Jul 10 MW 6:00–9:00pm, DC 621, Ms Butler, Sched No 730708, 1 Credit

LawJus 103E
Child Abuse Cases
The goal of this course is to provide students with a clearer understanding of child abuse as a social problem; some grasp of the psychological complexities of child abuse, for the victim and the perpetrator; and an awareness of Massachusetts laws dealing with child abuse; in order to address ways of decreasing the incidence of child abuse in our society.

Jul 15–Aug 8, MW 6:00–9:00pm, DC 621, Ms Herr, Sched No 730908, 2 Credits

LawJus 103F
Family Violence
This course will explore various kinds of family violence including marital rape, child abuse, incest, battered wives, and battered women's self-defense cases.
These issues will be explored from legal, psychological, and sociological perspectives.

Aug 12–Aug 22, MW 6:00–9:00pm, DC 621, Ms Herr, Sched No 731102, 1 Credit

Management

MGT 130
Introduction to Business
Familiarizes students with the nature of business and its relationship to other institutions in society. The course examines business ownership, organization, management, marketing, human resources management, production, and finance. In addition, the course explores issues in the relationships between capitalism and business, the law and business, and government and business.

May 28–Jul 10, MTuWTh 8:15–9:45am, HC 010/2/127, Staff, Sched No 737201, 3 Credits

May 28–Jul 10, MW 6:00–9:00pm, HC 020/1/418, Staff, Sched No 737451, 3 Credits

Jul 15–Aug 22, MTuWTh 11:45am–1:15pm, HC 010/2/124, Staff, Sched No 737251, 3 Credits

Jul 15–Aug 22, TuTh 6:00–9:00pm, HC 020/1/418, Staff, Sched No 737506, 3 Credits

MGT 220
Ethics and Management
Examines in the first third of the course the kinds of ethical principles (e.g., justice, equality, rights and obligations, and the public interest) generally offered in justification of ethical judgments. The last two-thirds of the course is devoted to supervised independent study in which the student chooses an ethical problem in management and attempts to analyze and resolve it.

May 28–Jul 10, MW 8:15–11:30am, HC 010/1/045, Staff, Sched No 737706, 3 Credits

Jul 15–Aug 22, MW 8:15–11:30am, HC 010/1/045, Staff, Sched No 737756, 3 Credits

MGT 301
Theory and Practice of Management
(See note below.)
Introduces the process of planning, organizing, directing, and controlling activities as they relate to the effective use and development of people in formal organizations. Students learn analytical tools for recognizing, diagnosing, and acting on managerial problems related to organizations, their objectives, and the development of human resources. The course emphasizes organizational analysis and design and the analysis of effects of organizational structure on human performance.

May 28–Jul 10, TuTh 10:00am–1:15pm, HC 010/1/045, Staff, Sched No 737956, 3 Credits

MGT 302
Organizational Behavior
(See note below.)
Examines theories and research about human behavior in organizations. Through experiential learning, students analyze individual behavior, interpersonal relations, and group dynamics, all from a managerial perspective. The course also considers the options open to management in structuring human performance as well as the value implications implicit in personnel decisions.
Prerequisite: MGT 301.

Jul 15– Aug 22, TuTh 10:00am–1:15pm, HC 010/1/045, Staff, Sched No 738150, 3 Credits

MGT 330
Business Environments and Public Policy
(See note below.)
Examines the interaction of business and government in the contemporary public policy process in the United States. The course helps students become familiar with the private sector's effect on the public sector as well as the public's effect on the private. The course examines how government promotes, regulates, and competes with private enterprise.

May 28–Jul 10, TuTh 6:00–9:00pm, HC 020/1/418, Staff, Sched No 738350, 3 Credits

MGT 480
Management Internship
Provides students with opportunities for full- or part-time work experience in a management setting. On-site supervisors and faculty provide guidance and supervision for each intern.
Prerequisite: Enrollment in the CM degree program in a Management Department concentration.
By Arrgt, Sched No 738411, 3 Credits

MGT 490
Business Policy
(See note below.)
Focuses on the organization as a whole, from a perspective that takes into account both the role of top management and the future of the organization. The course is designed to be the capstone of the student's academic career. It develops an approach for identifying the ultimate aim of the organization, exploring its external environment for opportunities and risks, and relating these to internal strengths and weaknesses. The course is required of concentrators in accounting, management of human resources, management information systems, marketing, operations management, and private financial management.
Prerequisite: Senior standing.

May 28–Jul 10, TuTh 6:00–9:00pm, HC 020/2/621, Staff, Sched No 738550, 3 Credits

Jul 15–Aug 22, MW 6:00–9:00pm, HC 020/1/418, Staff, Sched No 738605, 3 Credits

Note: any student wishing to take MGT 301, MGT 302, MGT 330, or MGT 490, 1) must be enrolled in the College of Management at UMass/Boston or in a management degree program at another four-year college or university; 2) must have completed 60 semester hour credits; and 3) must have completed all course prerequisites with a C – or better.

Each non-UMass/Boston student must submit, together with a registration form, a copy of a complete and current official transcript of his or her college or university record. If a non-UMass/Boston student is completing course prerequisites this term, the student must also submit verification of his or her current registration in the prerequisite course(s). This material must be reviewed and approved by the College of Management's Office of Student Services before the student may enroll in MGT 301, MGT 302, MGT 330 or MGT 490. If the student wishes to register in person, he or she should telephone the Office of Student Services (929-8105) for an appointment.

See "Location Key" on page 3 for explanation of campus, building, floor, and room codes (e.g., HC 020/3/618).

Management Science

MS 110
Introduction to Computers in Management

Introduces students to computers and their use in information processing and decision making. Among the topics the course considers are evolution of information processing, data representation, program flowcharting, basic programming, and simple applications.
Note: The fee for this three-credit course is $175.00.

May 28–Jul 10, MW 11:45am–3:00pm, HC 010/1/054 Ms Zahedi, Sched No 739609, 3 Credits

May 28–Jul 10, MW 6:00–9:15pm, HC 020/2/214, Ms Zahedi, Sched No 739809, 3 Credits

Jul 15–Aug 22, MW 6:00–9:15pm, HC 020/2/214, Staff, Sched No 739859, 3 Credits

MS 210
Managerial Statistics

Provides the student with a basic knowledge of ways to reduce masses of data into a meaningful form for decision making. The course examines collection and presentation of data, frequency distributions, measures of central tendency and dispersion, probability and probability distributions.
Prerequisite or corequisite: Math 110.

May 28–Jul 10, MW 11:45am–3:00pm, HC 010/1/046, Ms Kolitz, Sched No 740056, 3 Credits

May 28–Jul 10, MW 6:00–9:15pm, HC 020/3/617, Ms Kolitz, Sched No 740301, 3 Credits

Jul 15–Aug 22, MW 11:45am–3:00pm, HC 010/1/046, Ms Ker, Sched No 740101, 3 Credits

Jul 15–Aug 22, MW 6:00–9:15pm, HC 020/3/617, Ms Ker, Sched No 740351, 3 Credits

MS 211
Quantitative Analysis

Provides the student with additional (beyond MS 210) knowledge of statistical analysis approaches used in decision making. Topics include: decision theory, bayesian statistical inference, non-parametric regression, and correlation analysis.
Prerequisite: MS 210.

May 28–Jul 10, TuTh 8:15–11:30am, HC 010/1/046, Mr Papagiorgiou, Sched No 740551, 3 Credits

May 28–Jul 10, TuTh 6:00–9:15pm, HC 020/2/206, Mr Papagiorgiou, Sched No 740806, 3 Credits

Jul 15–Aug 22, TuTh 8:15–11:30am, HC 010/1/046, Mr Lee, Sched No 740606, 3 Credits

Jul 15–Aug 22, TuTh 6:00–9:15pm, HC 020/2/206, Mr Lee, Sched No 740856, 3 Credits

MS 301
Operations Management
(See note below.)

Introduces the student to the design and control problems of every system that transforms inputs into outputs, with major emphasis given to the problems associated with the production function of a manufacturing organization. The course also covers operations research approaches used to solve the associated problems.
Prerequisite: MS 210.

May 28–Jul 10, TuTh 8:15–11:30am, HC 010/1/054, Mr Shimshak, Sched No 741050, 3 Credits

May 28–Jul 10, TuTh 6:00–9:15pm, HC 020/2/214, Mr Shimshak, Sched No 741250, 3 Credits

Jul 15–Aug 22, MW 6:00–9:15pm, DC 621, Staff, Sched No 741305, 3 Credits

MS 480
Management Sciences Internship

Provides students with opportunities for full- or part-time work experience in a management sciences setting. On-site supervisors and faculty sponsors provide guidance and supervision for each intern.
Prerequisite: Enrollment in the CM degree program in a Management Sciences Department concentration.

By Arrgt, Sched No 741361, 3 Credits

Note: any student wishing to take MS 301, 1) must be enrolled in the College of Management at UMass/Boston or in a management degree program at another four-year college or university; 2) must have completed 60 semester hour credits; and 3) must have completed all course prerequisites with a C – or better.

Each non-UMass/Boston student must submit, together with a registration form, a copy of a complete and current official transcript of his or her college or university record. If a non-UMass/Boston student is completing course prerequisites this term, the student must also submit verification of his or her current registration in the prerequisite course(s). This material must be reviewed and approved by the College of Management's Office of Student Services before the student may enroll in MS 301.

If the student wishes to register in person, he or she should telephone the Office of Student Services (929-8105) for an appointment.

Marketing

MKT 301
Principles of Marketing
(See note below.)

Develops students' understanding of marketing principles underlying the selection and assessment of markets and the development and delivery of products and services.
Prerequisites: MS 110, Econ 101, and Econ 102.

May 28–Jul 10, MW 8:15–11:30am, HC 010/2/126, Staff, Sched No 739009, 3 Credits

May 28–Jul 10, MW 6:00–9:00pm, HC 020/2/206, Staff, Sched No 739209, 3 Credits

MKT 480
Marketing Internship

Provides students with opportunities for full- or part-time work experience in a marketing setting. On-site supervisors and faculty sponsors provide guidance and supervision for each intern.
Prerequisite: Enrollment in the CM degree program in the Marketing Department concentration.

By Arrgt, Sched No 739265, 3 Credits

Note: any student wishing to take MKT 301, 1) must be enrolled in the College of Management at UMass/Boston or in a management degree program at another four-year college or university; 2) must have completed 60 semester hour credits; and 3) must have completed all course prerequisites with a C – or better.

Each non-UMass/Boston student must submit, together with a registration form, a copy of a complete and current official transcript of his or her college or university record. If a non-UMass/Boston student is completing course prerequisites this term, the student must also submit verification of his or her current registration in the prerequisite course(s). This material must be reviewed and approved by the College of Management's Office of Student Services before the student may enroll in MKT 301.

If the student wishes to register in person, he or she should telephone the Office of Student Services (929-8105) for an appointment.

Mathematics

Note: students in any mathematics course may be required to attend one additional 50-minute discussion section per week if the enrollment in that course exceeds normal capacity.

Math Diagnosis

It is greatly to the advantage of the student to be placed in the proper course. *Students are advised to consult course descriptions for prerequisites and equivalents before registering for math courses.* To ensure placement in the right course, each student will be required to take a Math Diagnostic Test before being admitted to a course that requires this test as indicated in its description. This step will prevent loss of time in switching courses or obtaining refunds after classes have begun.

The test will be given during the following periods for students enrolling in summer math courses:

May 15, 10:00am–1:00pm, HC 010/1/009
May 15, 4:00–7:00pm, HC 010/1/009
May 16, 10:00am–1:00pm, HC 010/1/009
May 16, 4:00–7:00pm, HC 010/1/009
Jun 26, 4:00–7:00pm, HC 010/1/009
Jul 2, 10:00am–1:00pm, HC 010/1/009
Jul 2, 4:00–7:00pm, HC 010/1/009

Math C110
Basic Algebra

For students with weak math background who want to develop skills for further math or science courses. Covers basic high school math. Topics include: multiplying and factoring polynomials, linear equations and straight lines, fractional exponents and radicals, ratios of polynomials, quadratics, word problems. Generally limited to students with less than 3 years of high school math preparation.
Note: No student will receive graduation credits for Math C110 if it is taken after successful completion of Math C124 or C130 or a higher math course.
Prerequisite: Math Diagnostic Test only.
Core Area: Mathematics and Computer Languages.

May 28–Jul 10, MTuWTh 8:15–10:00am, HC 010/1/053, Staff, Sched No 732906, 3 Credits

May 28–Jul 10 MTuWTh 10:00–11:30am, HC 010/1/052, Staff, Sched No 733005, 3 Credits

May 28–Jul 10, MTuWTh 7:45–9:15pm, DC 222, Staff, Sched No 733100, 3 Credits

Jul 15–Aug 22, MTuWTh 10:00–11:30am, HC 010/1/052, Staff, Sched No 732956, 3 Credits

Jul 15–Aug 22, MTuWTh 7:45–9:15pm, DC 503, Staff, Sched No 733055, 3 Credits

Math C125
Introductory Statistics

For non-science and non-mathematics majors only. Topics include: introductory statistics, covering descriptive statistics; introductory probability sufficient to enable development of inferential statistics; and inferential statistics.
Note: No student will receive graduation credits for Math C125 if it is taken after successful completion of Math 345 or 645.
Not open to mathematics majors.
Prerequisite: Math Diagnostic Test.
Core Area: Mathematics and Computer Languages.

May 28–Jul 10, MTuWTh 10:00–11:30am, HC 010/1/053, Staff, Sched No 733300, 3 Credits

May 28–Jul 10, MTuWTh 6:00–7:30pm, HC 010/1/053, Staff, Sched No 733405, 3 Credits

Jul 15–Aug 22, MTuWTh 8:15–10:00am, HC 010/1/053, Staff, Sched No 733350, 3 Credits

Math C130
Precalculus

Preparation for first year calculus. Covers symmetry, graphs, functions, lines, parabolas and max-min problems, exponential and logarithm functions, exponential growth, semilog graphing, and the trigonometric functions and their inverses. Qualified students should enter Math C140 *without* taking this course.
Note: No student will receive graduation credits for Math C130 if it is taken after successful completion of Math C140 or a higher math course. Students who have successfully completed Math C130 may not subsequently take Math C124 for credit.
Prerequisite: Math Diagnostic Test only. Successful completion of Math C110 is not enough.
Core Area: Mathematics and Computer Languages.

May 28–Jul 10, MTuWTh 8:15–10:00am, HC 010/1/056, Staff, Sched No 733605, 3 Credits

May 28–Jul 10, MTuWTh 10:00–11:30am, HC 010/1/056, Staff, Sched No 733700, 3 Credits

May 28–Jul 10, MTuWTh 6:00–7:30pm, DC 222, Staff, Sched No 733805, 3 Credits

Jul 15–Aug 22, MTuWTh 8:15–10:00am, HC 010/1/056, Staff, Sched No 733655, 3 Credits

Jul 15–Aug 22, MTuWTh 10:00–11:30am, HC 010/1/056, Staff, Sched No 733750, 3 Credits

Jul 15–Aug 22, MTuWTh 6:00–7:30pm, DC 503,, Staff, Sched No 733855, 3 Credits

Math C140
Calculus I

The first in the sequence of calculus courses for science and math majors. Starts with the basic concepts of functions and limits. Topics covered include: derivatives and their applications, definite and indefinite integrals with applications to geometry and physics problems, and discussion of algebraic and transcendental functions.
Note: A student who has received credit for Math C135 may not take Math C140 for credit without the explicit permission of the department and then only for 2 credits.
Prerequisite: Math Placement Exam or Math C130.
Core Area: Mathematics and Computer Languages.

May 28–Jul 10, MTuWTh 8:15–10:00am, HC 010/1/055, Staff, Sched No 734754, 3 Credits

May 28–Jul 10, MTuWTh 10:00–11:30am, HC 010/1/055, Staff, Sched No 734859, 3 Credits

May 28–Jul 10, MTuWTh 7:45–9:15pm, HC 010/1/053, Staff, Sched No 734954, 3 Credits

Jul 15–Aug 22, MTuWTh 8:15–10:00am, HC 010/1/055, Staff, Sched No 734809, 3 Credits

Jul 15–Aug 22, MTuWTh 10:00–11:30am, HC 010/1/055, Staff, Sched No 734904, 3 Credits

Jul 15–Aug 22, MTuWTh 6:00–7:30pm, HC 010/1/053, Staff, Sched No 735003, 3 Credits

Math C141
Calculus II

Continuation of Math C140. Topics include transcendental functions, techniques of integration, applications of the integral, improper integrals, L'Hospital's rule, sequences, and series.
Prerequisite: Math C140 or equivalent.
Core Area: Mathematics and Computer Languages.

May 28–Jul 10, MTuWTh 8:15–10:00am, HC 010/1/060, Staff, Sched No 735203, 3 Credits

May 28–Jul 10, MTuWTh 10:00–11:30am, HC 010/1/060, Staff, Sched No 735308, 3 Credits

May 28–Jul 10, MTuWTh 6:00–7:30pm, HC 010/1/052, Staff, Sched No 735403, 3 Credits

Jul 15–Aug 22, MTuWTh 8:15–10:00am, HC 010/1/060, Staff, Sched No 735253, 3 Credits

Jul 15–Aug 22, MTuWTh 10:00–11:30am, HC 010/1/060, Staff, Sched No 735358, 3 Credits

Jul 15–Aug 22, MTuWTh 7:45–9:15pm, HC 010/1/052, Staff, Sched No 735453, 3 Credits

Math 240
Calculus III

Calculus of functions of several variables. Topics include: partial derivatives, transformations, derivative as a matrix, chain rule, directional derivatives, gradients, second derivatives; and multiple integrals, substitution rule, and Jacobians.
Prerequisite: Math C141 required and either Math 150 or Phys C114 strongly recommended.

May 28–Jul 10, MTuWTh 10:00–11:30am, HC 010/1/061, Staff, Sched No 735653, 3 Credits

Math 260
Linear Algebra I

Elementary theory of abstract vector spaces. Topics include: linear independence, bases, dimension, linear maps and matrices, determinants, orthogonality, eigenvalues and eigenvectors.
Prerequisite: Math C141. Math 150 is recommended.

May 28–Jul 10 MTuWTh 8:15–10:00am, HC 010/1/061, Staff, Sched No 736057, 3 Credits

May 28–Jul 10, MTuWTh 7:45–9:15pm, HC 010/1/052, Staff, Sched No 736152, 3 Credits

Jul 15–Aug 22, MTuWTh 10:00–11:30am, HC 010/1/061, Staff, Sched No 736102, 3 Credits

Math 310
Applied Ordinary Differential Equations

Comprehensive study of ordinary differential equations. Series solutions to differential equations, Bessel functions, characteristic functions, and Fourier series.
Prerequisites: Math C141 and either Math 150 or Phys C114 (lab optional).

May 28–Jul 10, MTuWTh 10:00–11:30am, HC 010/1/062, Staff, Sched No 736552, 3 Credits

Jul 15–Aug 22, MTuWTh 8:15–10:00am, HC 010/1/061, Staff, Sched No 736607, 3 Credits

Computer Science Courses

Math C105
Introduction to Computer Concepts

Discussion of computer applications, components and terminology; historical and recent developments; computer "arithmetic"; processing equipment and its uses; and computer languages.
Note: No student receives graduation credits for Math C105 if it is taken after successful completion of Math C137 or a higher math course. Math majors cannot take Math C105 for credit.
Note: The fee for this three-credit course is $175.00.
Prerequisite: Math Diagnostic Test.
Core Area: Mathematics and Computer Languages.

May 28–Jul 10, MTuWTh 8:15–10:00am, HC 010/1/052, Staff, Sched No 732706, 3 Credits

Math C137
Introduction to Computing

An introduction to the computing process: problem solving with a computer and programming in a computer language. Programming problems make up a substantial part of the course.
Note: Students who have taken Math C137 in Pascal will not be granted credit for Math C137 in Fortran.
Note: The fee for this four-credit course is $225.00.
Prerequisite: Math Diagnostic Test.
Core Area: Mathematics and Computer Languages.

Pascal
May 28–Aug 1, MTuTh 10:00–11:30am, HC 010/1/010, Lab Fee: $10.00, Sched No 734059, 4 Credits

May 28–Aug 1, MTuTh 7:45–9:00pm, HC 010/1/056, Lab Fee: $10.00, Sched No 734104, 4 Credits

Fortran
May 28–Aug 1, MTuTh 6:00–7:30pm, HC 010/1/056, Lab Fee: $10.00, Sched No 734304, 4 Credits

Math C138
Intermediate Computing

The design and implementation of computer programs in a higher level language, with emphasis on proper design principles, proper utilization of advanced programming concepts, advanced features of the programming language and efficient debugging techniques. The assignments are designed to introduce the student to all varieties of topics in computing, for example: text processing, compiling techniques, Turing machines.
Note: The fee for this four-credit course is $225.00.
Prerequisite: Math C137 or permission of instructor.
Core Area: Mathematics and Computer Languages.

May 28–Aug 1, MTuTh 10:00–11:30am, HC 010/1/032, Lab Fee: $10.00, Staff, Sched No 734504, 4 Credits

May 28–Aug 1, MTuTh 6:00–7:30pm, HC 010/1/060, Lab Fee: $10.00, Staff, Sched No 734554, 4 Credits

Math 250
Numerical Computing

An introduction to the classical techniques of numerical analysis: root finding, approximation and interpolation and integration. A thorough discussion of problems of error and of floating and fixed point computation. Students will be expected to solve a number of numerical problems using the computer. (Primarily for applications of interest to students in applied math, engineering, physics, chemistry, biology, psychology and economics.)
Note: The fee for this three-credit course is $185.00.
Prerequisites: Math C141 and 260; or permission of instructor.

May 28–Aug 1, MTuTh 10:00–11:30am, HC 010/1/044, Staff, Sched No 735853, 3 Credits

Math 267
Machine and Assembly Language Programming

A detailed description of the structure and machine language of digital computers and of the hardware components of computing systems. The use of assembly language and its relation to higher level programs and data structures will be explored. Students will be expected to complete a number of programs exemplifying the techniques of the course.
Note: The fee for this three-credit course is $185.00.
Prerequisite: Math C138 or permission of instructor.

May 28–Aug 1, MTuTh 8:15–9:45am, HC 010/1/044, Staff, Sched No 736352, 3 Credits

Math 330
Applied Discrete Mathematics

An introduction to the algebraic structures used in computing: sets, mathematical induction, ordered sets, Boolean algebras, calculus, graphs, trees, finite fields, error-correcting codes, and automata theory. Proofs of theorems about these structures will be constructive (algorithmic). Applications to computing will be discussed.
Prerequisites: Math C137, C141, and 260; or permission of instructor.

May 28–Jul 10, MTuWTh 8:15–10:00am, HC 010/1/062, Staff, Sched No 736807, 3 Credits

Music

Music C110
The Listening Experience

This course assists students in developing skills of comprehension and in deepening musical understanding. Technical language, sometimes necessary in identifying musical processes, is kept to a minimum. At first, attention is focused on specific elements proper to music: rhythm, melody, harmony, texture, and basic organizational principles. These are related to comparable elements in other arts. Students subsequently discover how the elements of music work together in representative works drawn from a wide repertory. Historical changes in musical style are also observed.
Core Area: The Arts.

May 28–Jul 10, TuTh 6:00–9:00pm, DC 503, Mr Cassola, Sched No 741705, 3 Credits

Jul 15–Aug 22, MTuWTh 11:45am–1:15pm, HC 010/1/005, Mr Plotkin, Sched No 741755, 3 Credits

Music C111
Introduction to Music

Basic music materials, principles of design, and the cultural significance of represenative works in historical sequence. Designed primarily for non-music majors.
Core Area: The Arts.

May 28–Jul 10, MTuWTh 10:00–11:30am, HC 010/1/005, Mr Cassola, Sched No 741955, 3 Credits

Jul 15–Aug 22, TuTh 6:00–9:00pm, DC 624, Mr Plotkin, Sched No 742004, 3 Credits

Music 185
Applied Music

Semi-private instruction in technique and literature at the introductory level. Each section restricted to a maximum of ten students.
Note: The fee for this one-credit course is $120.00.

Piano Instruction May 28–Jul 10, Tu 11:45am–1:45pm, HC 020/2/404, Staff, Sched No 742210, 1 Credit

Guitar Instruction May 28–Jul 10, W 11:45am–1:45pm, HC 020/2/404, Staff, Sched No 742260, 1 Credit

Voice Instruction May 30–Jul 11, Th 11:45am–1:45pm, HC 020/2/404, Staff, Sched No 742276, 1 Credit

See "Location Key" on page 3 for explanation of campus, building, floor, and room codes (e.g., HC 020/3/618).

Nursing

Registered nurses interested in entering the Bachelor of Science in Nursing (BSN) program of UMass/Boston's School of Nursing should formally apply for admission to the University. While registered nurses may receive academic credit for courses taken through UMass/Boston's Division of Continuing Education, this does not guarantee acceptance into the BSN program. Upper-division nursing courses are open only to matriculated students who have been accepted into the School of Nursing. Application information is available from the University's Admissions Office. Specific information about the RN/BSN program may be obtained from Judith Lewis, coordinator, RN/BSN program (929-8504).

Nursing 201
Pathophysiology
This course deals with alterations in the normal physiology of body structures. The course first discusses normal states, then physiological changes that ultimately result in the symptoms of disease. It considers the various body systems (e.g., cardiovascular, renal, respiratory, endocrine).

May 28–Jun 27, MTuWTh 11:45am–1:45pm, HC 010/2/200, Mr Segelman, Sched No 742709, 3 Credits

Nursing 305
Health Assessment I
The focus of this course is on assessment, the first phase of the nursing process. Introducing students to the basic processes of health assessment, the course presents interviewing and history taking as major elements of the communication process and describes the physical examination techniques of inspection, palpation, percussion, auscultation, measurement, and instrumentation as extensions of the observation process. The course also emphasizes the nursing diagnostic statement as the basis for planning nursing management. Systems analysis of the subsystems of the human body is the organizing framework of the course.
Prerequisites: Admission to the nursing major and Nursing 300, 301, 302.

Lect: May 28–Jun 27, TuWTh 9:00am–1:30pm, HC 010/1/063, Mr Anderson, Sched No 742909, 4 Credits
Summer Course Fee: $535.00
Lab: May 28–Jun 27, By Arrgt, HC 080/2/012, Mr Anderson, Lab Fee: $20.00, Sched No 742959

Nursing 306
Health Assessment II
A continuation of Nursing 305, this course further considers communication processes and adds further physical examination techniques to the repertoire of observation skills. The course emphasizes the interpretation of physical data in the light of underlying anatomical structures and physiological processes. Students are introduced to radiographic and laboratory assessment as additional means of client evaluation. Students apply the content of the course in practica.
Prerequisite: Nursing 305.

Lect: Jul 1–Aug 1, TuWTh 9:00am–1:30pm, HC 010/1/063, Sched No 743153, 4 Credits
Summer Course Fee: $535.00
Lab: Jul 1–Aug 1, By Arrgt, HC 080/2/012, Lab Fee: $20.00, Sched No 743208

Nursing 403
Professional Issues
Through readings and discussions, the course engages students in critical assessment of the major structures and processes of the nursing profession and the political process. Nursing history is discussed in terms of its influence on present day practice, health-care delivery, education, research, and leadership. The study of nursing through nursing research is highlighted. Student participation and self-directed learning is expected.
Prerequisites: Nursing 302 and 306.

May 28–Jun 27, MTuWTh 8:00–10:00am, HC 010/1/409, Staff, Sched No 743414, 3 Credits

Nursing 404
Seminar in Advanced Nursing
Through lecture and discussion, students approach the problem-solving of a range of medical and surgical alterations. The nursing process model is utilized across a hospital/community continuum with focus on the clinical management of major systemic impairments. By incorporating higher knowledge levels of assessment parameters, drug therapies, and nursing interventions, the students will be better equipped to enter beginning practitioner roles in diverse contexts.
Prerequisites: Nursing 302 and 306.

Jul 1–Aug 1, MTuWTh 8:00–10:00am, HC 020/1/409, Staff, Sched No 743569, 3 Credits

Occupational Education

Please see description in the section on the Center For Occupational Education, page 18.

Philosophy

Phil C100
Introduction to Philosophy
An introductory examination of the problems and scope of philosophy.
Core Area: Philosophical and Humanistic Studies.

May 28–Jul 10, MTuWTh 10:00–11:30am, HC 020/2/214, Staff, Sched No 747959, 3 Credits

May 28–Jul 10, MW 6:00–9:00pm, DC 610, Staff, Sched No 748008, 3 Credits

Jul 15–Aug 22, MTuWTh 8:15–10:00am, HC 020/2/205, Staff, Sched No 748058, 3 Credits

Jul 15–Aug 22, TuTh 6:00–9:00pm, DC 610, Staff, Sched No 748103, 3 Credits

Phil C108
Moral and Social Problems
Important moral and social issues of current concern will be examined and debated. The course covers three problems each semester from a list including: criminal punishment, war, abortion, racism, violence, the death penalty, private property, and sexism.
Core Area: Philosophical and Humanistic Studies.

May 28–Jul 10, MTuWTh 8:15–10:00am, HC 020/2/211, Staff, Sched No 748303, 3 Credits

May 28–Jul 10, TuTh 6:00–9:00pm, DC 610, Staff, Sched No 748353, 3 Credits

Jul 15–Aug 22, MTuWTh 11:45am–1:15pm, HC 020/2/417, Staff, Sched No 748408, 3 Credits

Jul 15–Aug 22, MW 6:00–9:00pm, DC 610, Staff, Sched No 748458, 3 Credits

Phil C120
Introduction to Logic
The forms of valid reasoning, deductive and inductive, and their role in reflective thinking, formal logic, truth functions, quantifiers, proofs of formal adequacy, the classical problem and new riddle of induction, reasoning with probabilities and elements of game theory.
Core Area: Mathematics and Computer Languages.

May 28–Jul 10, MTuWTh 11:45am–1:15pm, HC 020/2/417, Staff, Sched No 748658, 3 Credits

Jul 15–Aug 22, MTuWTh 10:00–11:30am, HC 020/2/214, Staff, Sched No 748703, 3 Credits

Physical Education

PE 111
Racquetball & Squash
This course is open both to novices and to intermediate players who wish to improve their game. The course will introduce the basic rules and techniques of both sports.
Note: The fee for this one-credit course is $90.00.

May 28–Jun 27, TuTh 11:45am–1:45pm, HC 020/Gym, Mr Saitta, Sched No 726955, 1 Credit

PE Danc 145
Dance Fitness
This course combines dance and aquatic activities to improve the level of fitness. Students will undergo fitness testing throughout the course to monitor the level of improvement. Appropriate dress (bathing suit, leotard) is required.
Note: The fee for this one-credit course is $90.00.

May 28–Jun 27, MW 11:45am–2:00pm, HC Clark Center, Ms Pappalardo, Sched No 747559, 1 Credit

PE Ath 530
Sports Medicine/Athletic Training Seminar
Please see description under "Special Programs" on page 19.

Physics

Phys C107
College Physics I
Non-calculus introductory physics for the student with a strong interest or background in science. Topics in mechanics, wave motion, heat, kinetic theory of gases, electricity, optics, atomic and nuclear physics. Biology majors, premedical students, and others who need or want laboratory work in physics should enroll concurrently in Phys 181.
Note: Enrollment is limited. Priority is given to students registering for both C107 and 181.
Prerequisite: Math C130 or permission of instructor.
Core Area: Natural Sciences.

Lect: May 28–Jul 10, MTuWTh 8:30–10:00am, HC 080/1/006, Staff, Sched No 749107, 3 Credits
Dis: May 28–Jul 10, M 10:15–11:45am, HC 080/2/062, Sched No 749157
Dis:May 28–Jul 10, Tu 10:15–11:45am, HC 080/2/062, Sched No 749202
Dis: May 28–Jul 10, W 10:15–11:45am, HC 080/2/062, Sched No 749252
Dis: May 28–Jul 10, Th 10:15–11:45am, HC 080/2/063, Sched No 749307

Phys C108
College Physics II
A continuation of Phys C107. Biology majors, premedical students, and others who need or want laboratory work in physics should enroll concurrently in Phys 182.
Note: Enrollment is limited. Priority is given to students registering for both C108 and 182.
Prerequisite: Phys C107 or permission of instructor.
Core Area: Natural Sciences.

Lect: Jul 15–Aug 22, MTuWTh 8:30–10:00am, HC 080/1/006, Staff, Sched No 749507, 3 Credits
Dis: Jul 15–Aug 22, M 10:15–11:45am, HC 080/2/062, Sched No 749557
Dis: Jul 15–Aug 22, Tu 10:15–11:45am, HC 080/2/062, Sched No 749602
Dis: Jul 15–Aug 22, W 10:15–11:45am, HC 080/2/062, Sched No 749652

Phys C113
Fundamentals of Physics I
Topics in classical physics, including mechanics, thermodynamics, and kinetic theory, Basic concepts of calculus are introduced within the context of physical phenomena. Students who need or want laboratory work in physics should enroll concurrently in Phys 181.
Note: Enrollment is limited. Priority is given to students registering for both C113 and 181.
Corequisite: Math C140; corequisite for physics majors—Phys 181.
Core Area: Natural Sciences.

Lect: May 28–Jul 10, MTuWTh 8:30–10:00am, HC 010/1/064, Staff, Sched No 749852, 4 Credits
Lect: May 28–Jul 10, MTuWTh 5:30–7:00pm, HC 010/1/064, Staff, Sched No 749907, 4 Credits
Dis: May 28–Jul 10, MW 10:15–11:45am, HC 010/1/064, Sched No 749957
Dis: May 28–Jul 10, TuTh 10:15–11:45am, HC 010/1/064, Sched No 750009
Dis: May 28–Jul 10, MW 7:15–8:45pm, HC 010/1/064, Sched No 750059
Dis: May 28–Jul 10, TuTh 7:15–8:45pm, HC 010/1/064, Sched No 750104

Phys C114
Fundamentals of Physics II
Electricity, magnetism, waves and light, further development of mathematical tools of physics. Students who need or want laboratory work in physics should enroll concurrently in Phys 182. Phys C114 may be substituted for Math 150 as a prerequisite for Math 240.
Note: Enrollment is limited. Priority is given to students registering for both C114 and 182.
Prerequisite: Phys C113 or permission of instructor.
Corequisite: Math C141; corequisite for physics majors—Phys 182.
Core Area: Natural Sciences.

Lect: Jul 15–Aug 22, MTuWTh 8:30–10:00am, HC 010/1/064, Staff, Sched No 750304, 4 Credits
Lect: Jul 15–Aug 22, MTuWTh 5:30–7:00pm, HC 010/1/064, Staff, Sched No 750354, 4 Credits
Dis: Jul 15–Aug 22, MW 10:15–11:45am, HC 010/1/064, Sched No 750409
Dis: Jul 15–Aug 22, TuTh 10:15–11:45am, HC 010/1/064, Sched No 750459
Dis: Jul 15–Aug 22, MW 7:15–8:45pm, HC 010/1/064, Sched No 750504
Dis: Jul 15–Aug 22, TuTh 7:15–8:45pm, HC 010/1/064, Sched No 750554

See "Location Key" on page 3 for explanation of campus, building, floor, and room codes (e.g., HC 020/3/618).

Phys 181
Physics Laboratory I
Laboratory work in mechanics, thermodynamics, electricity and magnetism, and optics. Students are offered the opportunity to develop extended projects with the guidance of the instructor. The course is designed for science majors or others interested in exploring and explaining physical phenomena through laboratory work.
Note: All students enrolled in any daytime section of Physics 181 *must attend* the Tuesday, May 28, Lab Session, to verify lab assignments.
Corequisite: Phys C107 or C113.

May 28–Jul 10, M 12:00–2:30pm, HC 080/3/029, Lab Fee: $10.00, Sched No 750754, 1 Credit

May 28–Jul 10, Tu 12:00–2:30pm, HC 080/3/029, Lab Fee: $10.00, Sched No 750809, 1 Credit

May 28–Jul 10, W 12:00–2:30pm, HC 080/3/029, Lab Fee: $10.00, Sched No 750859, 1 Credit

May 28–Jul 10, Th 12:00–2:30pm, HC 080/3/029, Lab Fee: $10.00, Sched No 750904, 1 Credit

May 28–Jul 10, M 2:45–5:15pm, HC 080/3/029, Lab Fee: $10.00, Sched No 750954, 1 Credit

May 28–Jul 10, Tu 2:45–5:15pm, HC 080/3/029, Lab Fee: $10.00, Sched No 751003, 1 Credit

May 28–Jul 10, W 2:45–5:15pm, HC 080/3/029, Lab Fee: $10.00, Sched No 751053, 1 Credit

May 28–Jul 10, Th 2:45–5:15pm, HC 080/3/029, Lab Fee: $10.00, Sched No 751108, 1 Credit

May 28–Jul 10, Tu 7:15–9:45pm, HC 080/3/029, Lab Fee: $10.00, Sched No 751158, 1 Credit

May 28–Jul 10, W 7:15–9:45pm, HC 080/3/029, Lab Fee: $10.00, Sched No 751203, 1 Credit

Phys 182
Physics Laboratory II
Second of two semesters of laboratory work in mechanics, thermodynamics, electricity and magnetism, and optics. Students are offered the opportunity to develop extended projects with the guidance of the instructor. The course is designed for science majors and others interested in exploring and explaining physical phenomena through laboratory work.
Note: All students enrolled in any daytime section of Physics 182 *must attend* the Monday, July 15, Lab Session, to verify lab assignments.
Corequisite: Phys C108 or C114.

Jul 15–Aug 22, M 12:00–2:30pm, HC 080/3/031, Lab Fee: $10.00, Sched No 751403, 1 Credit

Jul 15–Aug 22, Tu 12:00–2:30pm, HC 080/3/031, Lab Fee: $10.00, Sched No 751453, 1 Credit

Jul 15–Aug 22, W 12:00–2:30pm, HC 080/3/031, Lab Fee: $10.00, Sched No 751508, 1 Credit

Jul 15–Aug 22, M 2:45–5:15pm, HC 080/3/031, Lab Fee: $10.00, Sched No 751558, 1 Credit

Jul 15–Aug 22, Tu 2:45–5:15pm, HC 080/3/031, Lab Fee: $10.00, Sched No 751603, 1 Credit

Jul 15–Aug 22, W 2:45–5:15pm, HC 080/3/031, Lab Fee: $10.00, Sched No 751653, 1 Credit

Jul 15–Aug 22, Tu 7:15–9:45pm, HC 080/3/031, Lab Fee: $10.00, Sched No 751708, 1 Credit

Jul 15–Aug 22, W 7:15–9:45pm, HC 080/3/031, Lab Fee: $10.00, Sched No 751758, 1 Credit

Political Science

PolSci C122
Government and Politics of the United States
The three main branches of the national government, federalism, political parties, interest groups, and governmental functions.
Core Area: Social and Behavioral Sciences.

May 28–Jul 10, MTuWTh 10:00–11:30am, HC 020/2/206, Mr Ward, Sched No 752152, 3 Credits

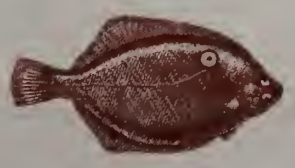
Jul 15–Aug 22, MTuWTh 8:15–10:00am, HC 020/2/213, Mr Langley, Sched No 752207, 3 Credits

Jul 15–Aug 22, TuTh 6:00–9:00pm, DC 608, Sched No 752257, 3 Credits

PolSci C123
Political Ideas of the Twentieth Century
Major political viewpoints of the present, including Conservatism, Liberalism, Marxism, and Fascism.
Core Area: Social and Behavioral Sciences.

May 28–Jul 10, MTuWTh 8:15–10:00am, HC 020/2/213, Mr Hansen, Sched No 752457, 3 Credits

May 28–Jul 10, MW 6:00–9:00pm, DC 608, Ms Peters, Sched No 752502, 3 Credits



PolSci C220
International Relations
Through the examination of past and current international events, this course will identify basic principles and concepts which explain the behavior of nations; and it will provide an introduction to the general area of social and behavioral sciences. Special attention will be given to the role of war, economic relations, technology, ideologies (Marxism and Capitalism-Liberalism in particular), and various attempts like those of the United Nations to regulate international conflict. Of particular concern will be the role of the Third World and its perspective, the dynamics of global interdependence, and the psychological dimension which ultimately determines how nations perceive each other. This course will also help students develop their analytic skills in speaking, reading, and writing.
Prerequisite: Sophomore standing.
Core Area: Social and Behavioral Sciences.

May 28–Jul 10, MTuWTh 10:00–11:30am, HC 020/2/417, Mr Watanabe, Sched No 752702, 3 Credits

Jul 15–Aug 22, MTuWTh, 10:00–11:30am, HC 020/2/206, Mr Langley, Sched No 752752, 3 Credits

PolSci 424
American Foreign Policy
Major issues and problems of American foreign policy in the contemporary world. The domestic sources of foreign policy. Problems examined will vary from year to year.
Prerequisite: Junior standing.

May 28–Jul 10, MTuWTh 11:45am–1:15pm, HC 020/2/206, Mr Watanabe, Sched No 752952, 3 Credits

PolSci 477
Central American Politics
The course will examine the origin of political conflict in the Central American Republics as well as American foreign policy toward Central America. Particular emphasis on El Salvador and Nicaragua.

Jul 15–Aug 22, MTuWTh 11:45am–1:15pm, HC 020/2/206, Mr Kruse, Sched No 753156, 3 Credits

PolSci 488
Field Work in Politics
Carefully supervised field work, available only to a limited number of qualified students in any one semester. Written prospectus of the project, periodic conferences with a faculty advisor, and appropriate written work required.
Prerequisites: Completion of a relevant course, and permission of department.

By Arrgt, Mr Beard, Sched No 753356, 3 Credits

PolSci 590
Field Practicum in Politics
Prerequisite: Approval of department.

By Arrgt, Mr Beard, Sched No 753556, 9 Credits

Psychology

Psych C100
Introductory Psychology
An introduction to the scientific study of individuals and their behavior including an examination of human developments, psychological processes (for example, feeling, thinking, learning), personalities, social relationships and biological processes. Course assignments and classroom work will integrate the course content with training in writing skills.
Core Area: Social and Behavioral Sciences

May 28–Jul 10, MTuWTh 10:00–11:30am, HC 020/2/209, Mr Bateman, Sched No 753956, 3 Credits

May 28–Jul 10, TuTh 6:00–9:00pm, DC 517, Mr Wainwright, Sched No 754005, 3 Credits

Jul 15–Aug 22, MTuWTh 10:00–11:30am, HC 020/2/209, Mr Pollack, Sched No 754055, 3 Credits

Psych 101
Introductory Psychology
A general survey of selected content areas in psychology, including personality and human development, physiological psychology, learning, intelligence, heredity and environment, motivation and emotion.

May 28–Jul 10, MTuWTh 8:15–10:00am, HC 020/2/208, Mr Turnball, Sched No 754455, 3 Credits

May 28–Jul 10, MW 6:00–9:00pm, DC 517, Mr Epstein, Sched No 754500, 3 Credits

Jul 15–Aug 22, MTuWTh 11:45am–1:15pm, HC 020/2/207, Ms Montepore, Sched No 754550, 3 Credits

Jul 15–Aug 22, TuTh 6:00–9:00pm, DC 517, Ms Spoltore, Sched No 754605, 3 Credits

Psych C102
Introduction to Behavioral Research
An introduction to the ways of discovering, describing, and making warranted assertions about aspects of people and social life. The chief objectives are: 1) to develop the skills and knowledge necessary to become an intelligent critic of research in the behavioral and social sciences and 2) to impart a rudimentary understanding of the design and evaluation of scientific research. Statistical material is treated in a conceptual manner. Course assignments and classroom work integrate the course content with training in writing skills.
Prerequisite: Psych C100.
Core Area: Social and Behavioral Sciences.

Jul 15–Aug 22, MTuWTh 10:00–11:30am, HC 020/2/621, Ms Montepore, Sched No 754255, 3 Credits

Psych 200
Personality
Conceptions of human nature are examined in light of various theories of personality. This course focuses on the theories of Freud, Adler, Sullivan, Erikson, Kelly, ego psychologists and other theorists presenting the behavioristic and humanistic perspectives. Among the topics to be addressed are personality structure and its development; stress and coping; neurotic styles; human motives and their measurement.
Prerequisite: Psych C100 or 101.

May 28–Jul 10, MTuWTh 8:15–9:40am, HC 020/2/621, Ms Ciccetti, Sched No 754805, 3 Credits

May 28–Jul 10, MW 6:00–9:00pm, DC 519, Mr Oresick, Sched No 754855, 3 Credits

Jul 15–Aug 22, TuTh 6:00–9:00pm, DC 519, Ms Wells, Sched No 754900, 3 Credits

Psych 215
Psychopathology
Etiology, dynamics and treatment of psychopathology.
Prerequisite: Psych C100 or 101.

May 28–Jul 10, MTuWTh 10:00–11:30am, HC 020/2/211, Staff, Sched No 755104, 3 Credits

Jul 15–Aug 22, MW 6:00–9:00pm, DC 517, Mr Pollack, Sched No 755154, 3 Credits

Psych 230
Social Psychology
A scientific attempt to understand and explain how the thought, feeling, and behavior of individuals are influenced by the actual, imagined, or implied presence of others; focuses on the drama of social interaction.
Prerequisite: Psych 101.

May 28–Jun 27, MTuWTh 11:45am–1:45pm, HC 020/2/211, Mr Bateman, Sched No 755354, 3 Credits

Psych 241
Infancy and Childhood Development
This course explores human development from infancy to middle childhood, i.e., from childbirth to ages seven or eight. Major emphasis will be placed on early perceptual, cognitive, social and affective development bearing the following questions in mind: How does the world of space and objects appear to the infant? How does he or she acquire knowledge and discover reality? How does the child experience the world of people and develop a sense of self? How does the child develop attachments to others and what role is played by the significant people in his or her life?

May 28–Jul 10, MTuWTh 11:45am–1:15pm, HC 020/2/207, Ms Quill, Sched No 755554, 3 Credits

Jul 15–Aug 22, MTuWTh 8:15–10:00am, HC 020/2/208, Staff, Sched No 755609, 3 Credits

Psych 242
Adolescence
This course is designed to acquaint students with psychological characteristics of adolescent development, theoretical approaches to adolescence, and experimental studies of the causes of a variety of behaviors during adolescence. The course will also focus upon major problems and characteristics of adolescents in modern society.

May 28–Jul 10, MTuWTh 10:00–11:30am, HC 020/2/207, Mr Tappan, Sched No 755809, 3 Credits

May 28–Jul 10, TuTh 6:00–9:00pm, DC 519, Mr Shirk, Sched No 755859, 3 Credits

Jul 15–Aug 22, MW 6:00–9:00pm, DC 519, Ms Smith, Sched No 755904, 3 Credits

Psych 243
Psychology of Adult Development and Human Aging
A developmental approach to human integrity and functioning in the second half of the lifespan. Sterotyped ideas about the aging process are critically reviewed. Newer approaches to facilitating psychological well-being in the latter years of life are given special attention.

May 28–Jul 10, MTuWTh 8:15–10:00am, HC 020/2/207, Ms Wells, Sched No 756108, 3 Credits

Jul 15–Aug 22, MTuWTh 8:15–10:00am, HC 020/2/207, Ms Wells, Sched No 756158, 3 Credits

Psych 250
Learning and Memory
An introduction to current views of behavioral change, learning and remembering. The course focuses on concepts, theoretical issues and applications of current research.
Prerequisite: Psych C100 or 101.

May 28–Jun 27, MTuWTh 11:45am–1:45pm, HC 020/2/213, Ms Hoy, Sched No 756358, 3 Credits

Psych 260
Physiological Psychology
An examination, in depth, of selected topics in physiological psychology, including the evolution of the vertebrate nervous system, communication in the central nervous system, physiological methods, emotion, reward and punishment.
Prerequisite: Psych C100 or 101 or Biol 111.

May 28–Jul 10, TuTh 6:00–9:00pm, DC 521, Mr Turnball, Sched No 756558, 3 Credits

Psych 333
Group Dynamics
An examination of small group behavior from a theoretical and empirical perspective. The group is viewed as a system functioning in a number of environments—physical, personal, social, and task. Each of these interrelated environments influences various aspects of group process. Thus leadership, power, conformity, status, goals, etc., are considered as interrelated processes of social interaction.
Prerequisites: Psych C100 or 101, and 230.

May 28–Jul 10, MW 6:00–9:00pm, DC 521, Ms Sodano, Sched No 756758, 3 Credits

Study of Religion

RelStd C104
Socrates, Jesus, Buddha
A study of three great paradigmatic figures and the different ways of life and views of reality which they represented. Attention to the social-cultural contexts in which they emerged; critical evaluation of Socrates and Jesus as sources of Western values; and exploration of why the Buddha has recently become an attractive alternative.
Core Area: Philosophical and Humanistic Studies.

May 28–Jul 10, MW 6:00–9:00pm, DC 619, Mr LaFargue, Sched No 757352, 3 Credits

RelStd 122
Introduction to Religion: Varieties of Religious Experience
A comparative study of religion, concentrating on representative mythic, mystical, prophetic, or messianic figures and movements from various religious traditions, and using psychological, sociological, and theological-philosophical approaches. Coverage of different types of figures and movements such as: a Native American or an African religious movement; Gandhi or a representative Buddhist movement; Moses and the Exodus of ancient Israel; Jesus and early Christianity; and the bearing of religious traditions on some contemporary religious issues.

Jul 15–Aug 22, MTuWTh 10:00–11:30am, HC 020/2/421, Staff, Sched No 757552, 3 Credits

RelStd C264
Contemporary Religious Thought
Consideration of major currents in contemporary religious thought from existentialist theology and mystical contemplation to more socially oriented reflection and religious philosophies of non-violence and revolution. Readings from Buber, Tillich, Weil, Teilhard, Merton, Niebuhr, Gandhi, Fackenheim, Berrigan, Cox and Daly. Emphasis is placed on writing and critical thinking.
Core Area: Philosophical and Humanistic Studies.

May 28–Jul 10, MTuWTh 10:00–11:30am, HC 020/2/421, Mr LaFargue, Sched No 757752, 3 Credits

Russian

Russ 204
Business Russian
The course prepares the student to use Russian in a business or commercial setting. Training is provided in reading relevant texts and vocabulary building; in writing business letters and other commercial or legal documents; and in conversational business Russian. Of special interest to students of management, international relations, and economics.
Prerequisite: Russ C201.

May 28–Jul 10, MTuWTh 10:00–11:30am, HC 020/1/620, Ms Belozersky, Sched No 758156, 3 Credits

Secondary Education

SecEd 337
History and Principles of Teaching Secondary Education
This course examines perennial historical issues in relation to the contemporary educational scene, both local and national. Principal emphasis will be given to the historical role and function of the secondary school in a free society. A humanistic and values-oriented approach.

May 28–Jun 27, MTuWTh 6:00–8:00pm, HC 020/1/420, Mr Natale, Sched No 758756, 3 Credits

Sociology

Sociol 101
Introduction to Sociology
The structure of society, cultural patterns and group life; the individual and socialization; groups; institutions; social systems; social change.

May 28–Jul 10, MTuWTh 8:15–10:00am, HC 020/2/206, Mr Movahedi, Sched No 759350, 3 Credits

May 28–Jul 10, MW 6:00–9:00pm, DC 522, Mr Jacobs, Sched No 759405, 3 Credits

Jul 15–Aug 22, MTuWTh 10:00–11:30am, HC 020/2/207, Ms Cordill, Sched No 759455, 3 Credits

Jul 15–Aug 22, TuTh 6:00–9:00pm, DC 522, Mr Salerno, Sched No 759500, 3 Credits

Sociol 160
Social Problems and Social Policy
A course concentrating on institutional formation and change. Specifically, it will cover the definition and explanation of social problems, individual, group and governmental responses to them, implications of social policy, in-depth case studies and discussion of contemporary social problems.
Prerequisite: Sociol C101 or 101.

Jul 15–Aug 22, MTuWTh 8:15–10:00am, HC 020/2/206, Mr Salerno, Sched No 759700, 3 Credits

Sociol 242
Family
A comparative and historical analysis of family systems. Emphasis on the development and future prospects of the nuclear family in middle-class industrial society.
Prerequisite: Sociol C101 or 101.

May 28–Jul 10, TuTh 6:00–9:00pm, DC 522, Mr Kamara, Sched No 759900, 3 Credits

Jul 15–Aug 22, MTuWTh 11:45am–1:15pm, HC 020/2/213, Ms Cordill, Sched No 759950, 3 Credits

Sociol 261
Social Deviance and Control
The social conditions of individual and group behavior disorders, deviant subcultures and social control.
Prerequisite: Sociol C101 or 101.

May 28–Jul 10, MTuWTh 10:00–11:30am, HC 020/2/213, Mr Adriance, Sched No 760157, 3 Credits

Sociol 281
Society and the Individual
Basic survey of the social environment of individuals.
Prerequisiste: Sociol C101 or 101.

May 28–Jun 27, MTuWTh 11:45am–1:45pm, HC 020/2/214, Mr Movahedi, Sched No 760357, 3 Credits

Sociol 342
Aging and Society
An examination of theories and research on aging and society. The course is organized in two segments. The first explores the general relationship of the aging process and the aged to the social, economic and political systems in a youth-oriented and work-oriented society. The second draws upon cross-national and cross-cultural material.
Prerequisite: Sociol C101 or 101.

Jul 15–Aug 22, MW 6:00–9:00pm, DC 522, Mr Blumberg, Sched No 760557, 3 Credits

Sociol 361
Criminology
A general survey and analysis of adult crime. Attention to historical development of criminological thought, societal reaction to crime and behavioral systems. Emphasis on theories of criminality and issues in the administration of justice by police and courts.
Prerequisites: Sociol C101 or 101 and junior or senior standing.

Jul 15–Aug 22, MTuWTh 10:00–11:30am, HC 020/2/213, Mr Clayton, Sched No 760757, 3 Credits

Sociol 382
Social Psychology of Sex Roles—Men and Women in Society
An analysis of male and female roles in society with consideration of biological and psychological factors. Attention to socialization processes which reflect society's functional definition of acceptable and deviant sex roles.
Prerequisite: Sociol C101 or 101.

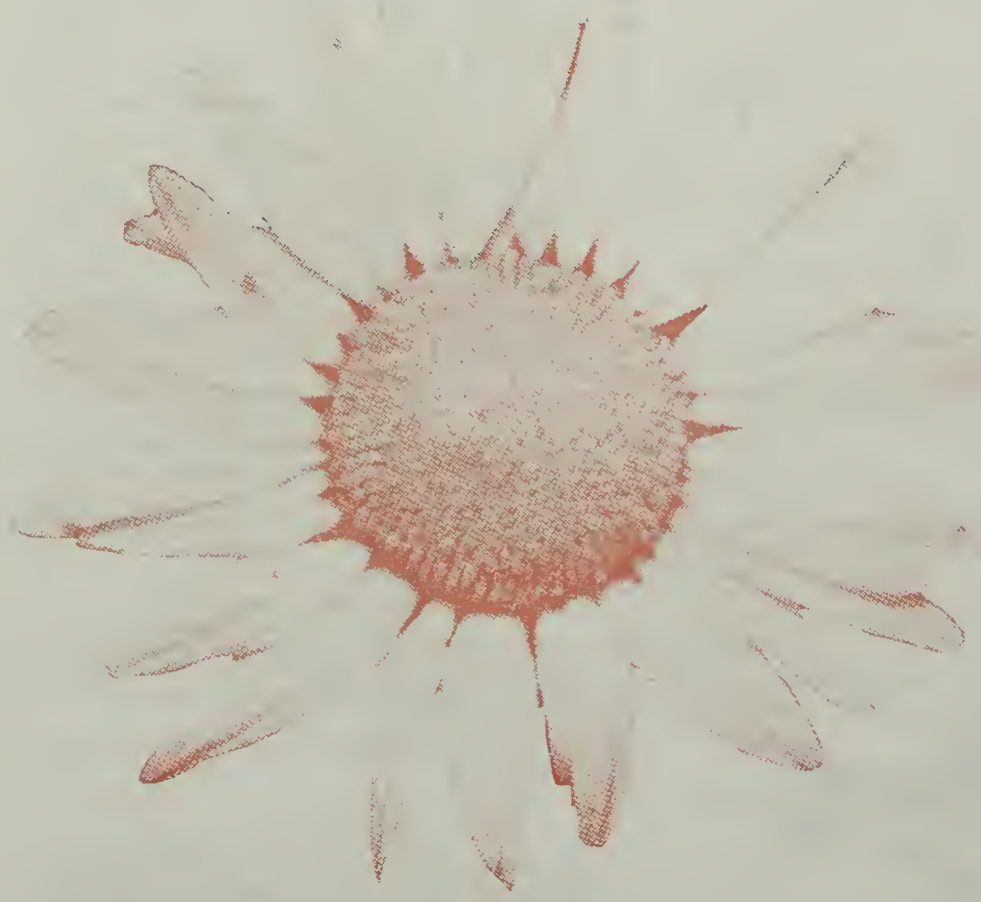
May 28–Jul 10, MTuWTh 8:15–10:00am, HC 020/2/209, Mr Adriance, Sched No 760957, 3 Credits

Sociol 444
Cooperative Education Field Experience in Sociology
Paid placements in public and private agencies related to sociology, arranged through the Program in Cooperative Education. Credit is awarded on the basis of independent research and reporting related to the field work. Learning contracts and number of credits are arranged with a faculty supervisor in the department. Placements are for a 6-month period.
Prerequisite: 9 credit hours of sociology, at least 3 of which must be directly related to the field placement.

By Arrgt, Sched No 761151, 3 Credits

Sociol 470
Research Studies in Alcoholism Treatment, Prevention, and Education
An intensive examination of theories and research on the etiology of alcohol addiction with special emphasis on their implications for treatment, prevention, and education programs; sociologic factors influencing diagnosis and treatment outcomes; legal coercion treatment programs; behavioral, family therapy, and community reinforcement approaches; audiovisual media in alcohol education. Special attention to Alcoholics Anonymous and its related groups. Involves field trips to community agencies.
Prerequisites: Sociol 364.

Jul 15–Aug 22, TuTh 6:00–9:00pm, DC 523, Mr Blumberg, Sched No 761351, 3 Credits



Register Early!

Early registration helps assure that the courses you want will be available when you need them. Why not mail or telephone your course selection now? See page 21 for details.

Spanish

Span C101
Elementary Spanish I
For students with no creditable training in Spanish. An intensive study of the four language skills based on an audio-lingual approach.
Core Area: Foreign Languages.

Lect: May 28–Jul 10, MTuWTh 10:00–11:55am, HC 020/2/428, Ms Buck, Sched No 762155, 4 Credits
Lect: May 28–Jul 10, MTuTh 6:00–8:30pm, DC 505, Sched No 762200, 4 Credits
Lab: May 28–Jul 10, MTuW 12:15–1:00pm, Lab Fee: $4.00, Sched No 762250
Lab: May 28–Jul 10, By Arrgt, Lab Fee: $4.00, Sched No 762305

Span C102
Elementary Spanish II
A continuation of Spanish C101. An intensive study of the four language skills based on an audio-lingual approach.
Prerequisite: Span C101 or equivalent.
Core Area: Foreign Languages.

Lect: Jul 15–Aug 22, MTuWTh 10:00–11:55am, HC 020/2/428, Mr Dietrick, Sched No 762505, 4 Credits
Lect: Jul 15–Aug 22, MTuTh 6:00–8:30pm, DC 505, Staff, Sched No 762555, 4 Credits
Lab: Jul 15–Aug 22, MTuW 12:15–1:00pm, Lab Fee: $4.00, Sched No 762600
Lab: Jul 15–Aug 22, By Arrgt, Lab Fee: $4.00, Sched No 762650

Span C103
Intensive Elementary Spanish
An intensive study of the four language skills for those who wish to do a full year of elementary Spanish in one semester. May be taken for credit by students who have studied two years in high school and wish to start over.
Core Area: Foreign Languages.

May 28–Aug 1, MTuWTh 8:15–10:45am, HC 020/2/415, Ms Osorio, Sched No 762850, 8 Credits

Span C201
Intermediate Spanish I
An oral and written review and further study of the language skills with readings in Spanish and Spanish-American literature and culture.
Prerequisite: Span C102 or equivalent.
Core Area: Foreign Languages.

May 28–Jul 10, MTuWTh 8:15–9:45am, HC 020/2/428, Ms Buck, Sched No 763054, 3 Credits

Span C202
Intermediate Spanish II
A continuation of Spanish C201. An oral and written review with further study of the language skills, and readings in Spanish and Spanish-American literature and culture.
Prerequisite: Span C201 or equivalent.
Core Area: Foreign Languages.

Jul 15–Aug 22, MTuWTh 8:15–9:45am, HC 020/2/428, Staff, Sched No 763254, 3 Credits

Span C205
Intensive Intermediate Spanish
A continuation of Span C103 for those who wish to do a full year of intermediate Spanish in one semester. Students who have passed Span C103 will have priority, but the course may be taken by anyone eligible for Span C205 if there is room.
Prerequisite: Span C102 or equivalent.
Core Area: Foreign Languages.

May 28–Aug 1, MTuWTh 10:00am–12:00noon, HC 020/1/612, Staff, Sched No 763454, 6 Credits

Span 301
Advanced Composition and Conversation
Designed to provide practical training in oral and written expression to students with intermediate proficiency in Spanish. Recommended to students who wish to practice and improve their ability to communicate in Spanish. Weekly themes and frequent oral reports. Not open to those students whose first language is Spanish.
Prerequisite: Span C202 or equivalent.

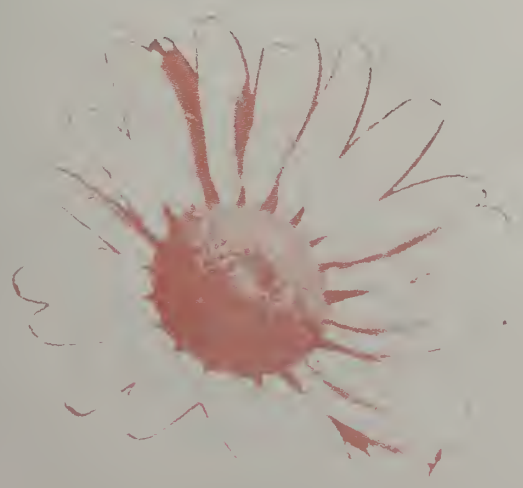
May 28–Jun 27, MTuWTh 11:45am–1:45pm, HC 020/2/415, Ms Osorio, Sched No 763654, 3 Credits

Span 306
Introduction to the Techniques of Translation
Development of the basic techniques and skills needed for translation. Emphasis on translation into the native language with some practice in the opposite direction. Methods of contrastive linguistics are used to analyze pertinent aspects of language structure involving syntax, vocabulary and style. Material for this course is taken from published translations of both a literary and non-literary nature. Students are given ample opportunity to apply these techniques through a series of translation assignments, which form the basis for class discussion.

May 28–Jul 10, MTuWTh 10:00am–1:00pm, HC 020/2/420, Mr Ryan, Sched No 763854, 6 Credits

Span 307
Advanced Translation
Practice in translating a variety of genres and styles, both literary and non-literary, e.g., passages from cultural material, short stories and essays; government documents; scientific, commercial and technical prose. Emphasis is on translating into the native language, but considerable practice is given in translating material in the commercial and human service fields from the native to the non-native language. Literary material is taken from various periods to make students aware of historical changes in vocabulary, syntax, tone and style.
Prerequisite: Span 306.

Jul 15–Aug 22, MTuWTh 10:00am–1:00pm, HC 020/2/420, Mr Ungar, Sched No 764058, 6 Credits



Theatre Arts

ThrArt 236
Introduction to Acting I
Dramatic form as required in acting. A survey of various styles: Greek, Elizabethan, Restoration and Modern; the actor's function with emphasis on recently evolved methods of acting, and on preparation of scenes in class.

May 28–Jul 10, MTuWTh 11:45am–1:15pm, HC 020/2/008, Ms McGinley, Sched No 766406, 3 Credits

ThrArt 336
Introduction to Acting II
Advanced work in acting, including the mounting of scenes and one-act plays.
Prerequisite: ThrArt 236.

May 28–Jul 10, MTuWTh 11:45am–1:15pm, HC 020/2/008, Ms McGinley, Sched No 766462, 3 Credits

ThrArt 481E
20th Century Dance
This coruse offers the student an opportunity to practice and study several of the unique dance forms which have developed in this century. Classwork will include techniques basic to modern and jazz dance, with an emphasis on the different forms and styles of particular 20th century choreographers. There will be background readings as well as performance assignments based on developing ideas introduced in class.

May 28–Jul 10, TuTh 6:00–9:00pm, HC 020/2/008, Ms Tolbert, Sched No 766606, 3 Credits

Theatre Arts on Nantucket

ThrArt 481A
Introduction to Writing, Performing and Production I

ThrArt 481B
Introduction to Writing, Performing and Production II

ThrArt 481C
Advanced Workshop in Writing, Performing and Production I

ThrArt 481D
Advanced Workshop in Writing, Performing and Production II

Please see description under "Special Programs" on page 20.

Women's Studies

WoSt C100
Women and Society
An introductory, interdisciplinary course recommended as a first course in women's studies. Through lectures, readings, and discussions, students will examine the origins of women's oppression; female and male sex roles; marriage and the family; women workers at home and in the labor force. Students will relate the course material to experiences in their own lives. Preference given to first and second year students.
Core Area: Social and Behavioral Sciences.

Jul 15–Aug 22, MTuWTh 10:00–11:30am, HC 010/1/019, Ms Sobota, Sched No 767800, 3 Credits

WoSt C150
Women, Culture, and Identity
An introductory level course examining the origins of present attitudes about women, critical analyses of women's situation in patriarchal cultures, and efforts by women to achieve a self-defined female identity. Drawing on materials from myth, religion, philosophy, anthropology, feminist analysis, literature, and autobiography, the course will investigate cultural beliefs about woman's "nature" and role at different times and places, attempts to explain the origins and persistence of woman's subordination, and women's efforts to define a new identity through political and creative activity. May be taken separately from or concurrently with WoSt C100 as a first or second course in women's studies. Preference given to first and second year or transfer students.
Core Area: Philosophical and Humanistic Studies.

May 28–Jul 10, MTuWTh 10:00–11:30am, HC 010/1/019, Ms Zybala, Sched No 768004, 3 Credits

WoSt 260
Women's Health Care, Past and Present
Focusing on a variety of topics, including nutrition, pregnancy, childbirth, and surgery, the course examines the attitudes toward and treatment of women advocated by the 19th and 20th century American medical profession. The influence of the contemporary women's health movement will also be considered.

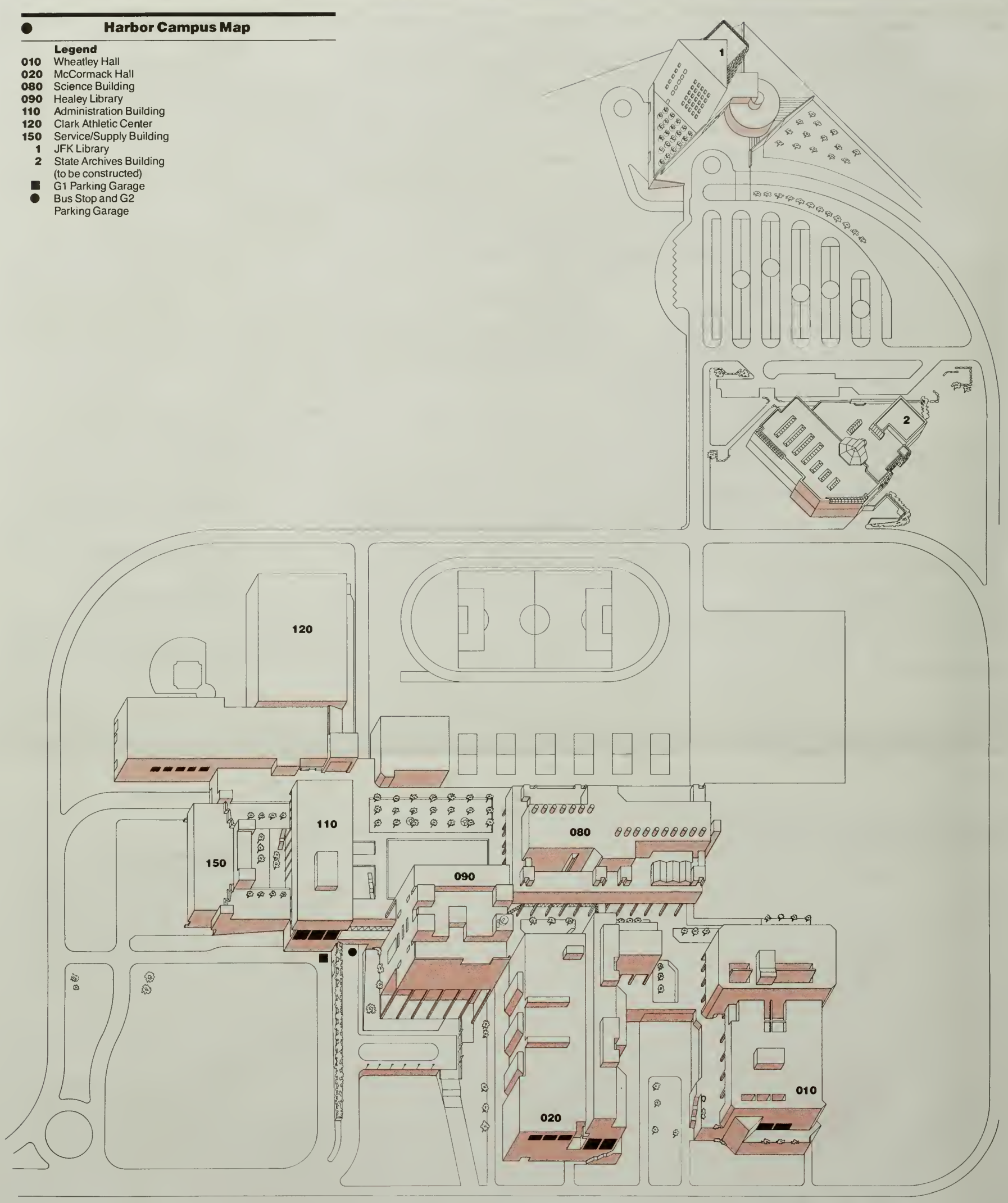
May 28–Jul 10, MW 6:00–9:00pm, DC 622, Ms Cordill, Sched No 768204, 3 Credits

See "Location Key" on page 3 for explanation of campus, building, floor, and room codes (e.g., HC 020/3/618).

Harbor Campus Map

Legend

010 Wheatley Hall
020 McCormack Hall
080 Science Building
090 Healey Library
110 Administration Building
120 Clark Athletic Center
150 Service/Supply Building
1 JFK Library
2 State Archives Building (to be constructed)
■ G1 Parking Garage
● Bus Stop and G2 Parking Garage



Harbor Campus

The Harbor Campus is only three miles from downtown Boston and is easily accessible by public or private transportation. *From the north or west:* Take the Southeast Expressway to exit 17. Turn left onto Columbia Road. Enter the rotary and take the first right (Morrissey Boulevard). Bear right of the traffic island, following the UMass/Boston sign. Proceed past the *Boston Globe* building. Turn left into the campus. *From the South:* Take the Southeast Expressway to exit 18 (near the Boston Gas tanks). Follow Morrissey Boulevard northward to the campus. *On the MBTA:* Take the Ashmont train on the Red Line to JFK/UMass (formerly Columbia) station. Transfer to the free University shuttlebus in the T parking lot.

Downtown Center

The Downtown Center is at the corner of Arlington and Stuart Streets in Park Square, Boston, within a short distance of the Green Line Arlington stop.

Graduate Courses

American Civilization

AmCiv 610
Citizenship Education Institute
A cooperative endeavor with the John F. Kennedy Library and the University of Massachusetts Institute for Learning and Teaching, this intensive two-week summer institute focuses on social problems, political process and civic participation now and in the past. Particular attention is given to the United States in the 1960's. The Institute is designed to have special relevance for teachers and offers three graduate credits which may be applied toward the M.A. in American Civilization. For further information, please contact the American Civilization Department.
Note: The fee for this special three-credit course is $50.00.

Jun 27–Jul 12, By Arrgt, John F. Kennedy Library, Mr Danker, Sched No 703351, 3 Credits

Bilingual Education/ESL

BES 641
Foundations of Bilingual/Multilingual Education
The rationale for bilingual education, and its typology, with a survey of some successful Massachusetts programs. Special consideration given to the provisions of Title VII and the Massachussetts Transitional Bilingual Education Law.

Jul 1–Aug 1, MTuWTh 5:00–7:00pm, HC 020/1/617, Mr Hebert, Sched No 707652, 3 Credits

BES 663
The Structure of the English Language
This course covers ways of describing the structure of English, from traditional methods used in many textbooks to alternative methods. Discussion of teaching methodologies and sociolinguistic considerations, and practice in applying these theories and techniques.

May 28–Jun 27, MTuWTh 5:00–7:00pm, HC 020/1/617, Mr Ross, Sched No 707852, 3 Credits

BES 670
Testing in ESL and Bilingual Education
Students will become familiar with language proficiency and language dominance testing and with other measurement and evaluative procedures needed in the administration and instruction of limited English proficiency students and in bilingual and ESL programs.

Jul 1–Aug 1, MTuWTh 5:00–7:00pm, HC 020/1/201, Staff, Sched No 708056, 3 Credits

Counselor Training

Coun 614
Counseling Theory and Practice I
The purpose of this course is to provide grounding in the commonalities of counseling techniques and practice in utilizing various techniques. The course will cover the essentials of interviewing, note taking, and report writing, and the role of diagnosis. Tapes and role playing will be required.

May 28–Jun 27, MTuWTh 5:00–7:00pm, HC 020/1/620, Ms Cody-Murphy, Sched No 715102, 3 Credits

Coun 615
Counseling Theory and Practice II
This course is an extention of Counseling Theory and Practice I. Major theoretical approaches (dynamic, humanistic, behavioral) are considered. There will also be exploration of some non-traditional approaches. Use of tape recordings, films, written records of interviews, and role playing.
Prerequisite: Coun 614

Jul 1–Aug 1, MTuWTh 5:00–7:00pm, HC 020/1/620, Ms Cody-Murphy, Sched No 715302, 3 Credits

Critical and Creative Thinking

CCT 601
Teaching for Critical Thinking
This course is primarily for teachers, school administrators, etc., who would like to practice teaching for critical thinking but have not had experience with a systematic approach to this topic. Basic classroom approaches and curriculum materials, K–12, will be demonstrated and discussed, a conceptual framework for critical thinking will be developed, and issues about critical thinking relating to such topics as sources of information, observation, reasoning, and decision making will be illustrated. Emphasis will be given to ways of restructuring standard, K–12, classroom instruction to incorporate a focus on critical thinking. This course should give participants a good basic knowledge of both theory and practice related to teaching for critical thinking, as well as experience in implementing this approach in their classroom.

Jul 1–Aug 1, MTuWTh 10:45am–12:45pm, HC 010/1/034, Mr Swartz, Sched No 715568, 3 Credits

CCT 612
Seminar in Creativity
Research and discussion of important issues of current concern in the field of creativity. The seminar will analyze work on the creative person, the creative process, and the development of creative performance in both art and science. It will draw on materials from a variety of sources including biography, intellectual histories, psychological studies and educational research. The topics dealt with will include perspectives on the creative process: from logical extension to intuitive leap; distinguishing scientific and artistic creativity; the person; the role of insight; demythologizing creativity; social context and creative productivity; evaluating creativity; educating for creativity.

Jul 1–Aug 1, MTuWTh 10:45am–12:45pm, HC 010/1/034, Mr Schwartz, Sched No 716106, 3 Credits

CCT 685
Seminar on Issues in Educational Evaluation
A critical study of the nature, techniques, scope and limits of the major forms of educational evaluation, set in the context of broader issues about evaluation. Special emphasis will be put on the nature of quantitative and qualitative methods of educational evaluation. Part of class time will be spent on issues that arise in connection with the evaluation of specific curriculum projects and teaching techniques of teachers involved in the seminar.

Jul 1–Aug 1, MWTh 1:00–3:45pm, HC 010/1/034, Staff, Sched No 716306, 3 Credits

Education (Elementary and Secondary)

Educ 610
Computers and Education
Introduction to how microcomputers work, including some "hands-on experience" for both beginners and students with some experience in the use of microcomputers. This course will contain a selected survey of current CAI computer literacy programs at the elementary and secondary levels, and of currently available educational software for microcomputers. Participants will also explore the pedagogical issues raised by the use of microcomputers for students, teachers, and school administrators: consequences for learning, problem solving, organizing data, creativity, etc. Field research may necessitate access to a microcomputer in a school setting.

Jul 1–Aug 1, MTuWTh 9:00–11:00am, HC 010/1/047, Ms Signer, Sched No 719508, 3 Credits

Educational Administration

Adm 633
Educational Facilities: Design and Management
In this course the students will be exposed to the complex array of interrelated variables that must be considered by the administrative team in the design and management of school facilities. A selection of diverse school facilities will be reviewed.

Jul 1–Aug 1, MTuWTh 6:00–9:00pm, HC 020/1/415, Staff, Sched No 700260, 3 Credits

Adm 697A
Curriculum: Status, Issues, and Trends
This course examines the reform movement in twentieth-century American education and its impact on content areas of the curriculum, on staffing, and on other areas of concern.

May 28–Jun 27, MTuWTh 4:00–6:00pm, HC 020/1/415, Ms Garland, Sched No 700404, 3 Credits

Special Education

SpEd 633
Legal & Political Issues in Special Ed
The field of special education is governed by laws (Chapter 766 and P.L. 94-142) and thus subject to the political process. This course will address the critical elements of the legal aspects of special education, with an in-depth review of legislation, regulations and current practice issues. The major focus of the course will be to clarify for special education teachers their obligations under the law, and to develop strategies for implementing the law with full compliance.
Prerequisite: SpEd 641.

Jul 1–Aug 1, MTuWTh 5:00–7:00pm, HC 020/2/207, Mr Davis, Sched No 764414, 3 Credits

SpEd 646
The Gifted and Talented Student
This special topics course will provide students with an overview of the gifted and talented student. Topics include: Definition of the gifted, identification, and methods and programs geared to the gifted and talented. Special areas to be addressed are the gifted minority student, as well as the gifted and talented underachiever.
Prerequisite: SpEd 641.
May 28–Jun 27, MTuWTh 7:00–9:00pm, HC 020/2/207, Ms Goodale, Sched No 764614, 3 Credits

SpEd 697A
Current Issues in Special Education
This course will explore and analyze current issues in special education, and ways of dealing with them. Key areas include non-biased assessment, bilingual special education, minimal competency testing, and mainstreaming.

May 28–Jun 27, MTuWTh 5:00–7:00pm, HC 020/2/207, Mr Toto, Sched No 764814, 3 Credits

SpEd 697B
Diagnosis and Remediation of Mathematics Disabilities
This course will focus on mathematics dysfunctions which students frequently demonstrate at the elementary and secondary level. Assessment techniques, both formal and informal, will be linked to remediation strategies.

Jul 1–Aug 1, MTuWTh 7:00–9:00pm, HC 020/2/207, Mr Sharma, Sched No 765018, 3 Credits

School Psychology

SchPsy 603
Individual Intelligence Testing
This course deals with the administration, scoring and interpretation of two individual intelligence tests (Wechsler Scales and Stanford Binet), with emphasis on a psychoeducational model of interpretation. The place of these instruments in a total evaluation of the individual will be considered. Ethical considerations and the dangers of misuse will be discussed. Students will have the opportunity in class to share ideas about administrative experiences, protocol, and interpretation.

May 28–Jul 10, MW 6:00–9:00pm, HC 020/1/428, Mr Cristiani, Sched No 765402, 3 Credits

Applied Sociology

ApSoc 696
Independent Study
This course involves an in-depth study of a particular topic according to the student's interests. Independent study projects are expected to make an important contribution to a student's training in applied sociology. All projects are under the supervision of a faculty advisor, who is responsible for guiding and evaluating the student's work. An application and detailed proposal must be submitted to the Graduate Program Director not later than two weeks before the end of the semester previous to that in which ApSoc 696 is to be taken. Permission to enroll can only be given by the Graduate Program Committee, which reviews all proposals and grants approval.

By Arrgt, Sched No 761551, 3–4 Credits

ApSoc 699
Thesis Research in Applied Sociology
Supervised thesis research open to students who elect the thesis option. The thesis research is conducted under the supervision of a faculty committee consisting of a primary faculty advisor and two additional faculty members, who are responsible for advising the student in preparing and carrying out the thesis project and for evaluating and judging its acceptability.
Prerequisite: Permission of the Graduate Program Director and Committee.

By Arrgt, Sched No 761751, 6–9 Credits

The Center For Occupational Education

UMass/Boston's Center for Occupational Education provides high quality instruction to those seeking state approval as vocational instructors and/or vocational instructors of students with special needs, as well as courses for regular classroom teachers, special educators, and vocational instructors seeking additional certification as industrial arts teachers. The Center also sponsors courses on special topics for occupational educators, school systems, industry, and labor.

For further information about courses or programs offered through the Center for Occupational Education, please contact:

University of Massachusetts at Boston
Division of Continuing Education
Downtown Center
Boston, MA 02125-3393
(617) 956-1000

Courses Leading to Vocational Approval

These courses are open only to persons holding conditional approval and seeking full approval as vocational instructors from the Division of Occupational Education of the Massachusetts Department of Education.

OccEd 201
Foundations of Occupational Education

This is a six-credit course designed to introduce provisionally approved vocational education teachers to the history, and the philosophical and psychological principles, of vocational education. The course also presents basic methods and techniques of teaching vocational students, and fundamental planning and evaluation skills useful in teaching vocational education subjects. The course is required by the Massachusetts Department of Education for full approval of vocational education teachers.

Jul 15–Aug 22, MTuWTh 9:00am–12:00pm, Buzzard's Bay—Mass. Maritime Academy, Sched No 744002, 6 Credits

OccEd 301
Occupational Information

This course equips the vocational instructor to provide his or her students with formal and informal counseling concerning career and educational choices, as well as to relate topics and skills under study to the larger world of work. Successful participants will master information concerning occupations and their histories, work classifications, job families, and job descriptions. Special emphasis will be given to theories of career development and to psychological, physical, and environmental factors that influence career choices.

May 28–Jul 10, MTuWTh 5:00–6:30pm, Franklin—Tri-County Regional Technical High School, Sched No 744202, 3 Credits

May 28–Jul 10, MTuWTh 5:00–6:30pm, West Roxbury High School, Sched No 744252, 3 Credits

May 28–Jul 10, MTuWTh 5:00–6:30pm, Bourne—Upper Cape Cod Regional Technical High School, Sched No 744307, 3 Credits

May 28–Jul 10, MTuWTh 5:00–6:30pm, Medford High School, Sched No 744357, 3 Credits

May 28–Jul 10, MTuWTh 5:00–6:30pm, Beverly—North Shore Reginal Technical High School, Sched No 744402, 3 Credits

Courses Leading to Approval for Vocational Instructors of Students with Special Needs

These courses are open only to persons holding full vocational approval or educational certification from the Massachusetts Department of Education who are seeking approval as vocational instructors of students with special needs.

OccEd 502
Vocational Education Programming for Special Needs Students

This course will introduce vocational education students to contemporary concepts of vocational education for students with special needs. Among topics to be considered are the nature of handicapping conditions, state and federal regulations dealing with the handicapped, educational planning for the handicapped and the social issues involved in instructing special needs students.

May 28–Jul 10, MTuWTh 3:00–4:30pm, Woburn High School, Sched No 744757, 3 Credits

OccEd 510
Seminar in Vocational Education for Special Needs Teachers

This course is open only to practicum participants. Students are assisted in the development of field testing and the evaluation of curriculum materials and teaching strategies, as well as in the resolution of problems that surface in the course of their practical experiences.

May 28–Jul 10, MTuWTh 3:00–4:30pm, Winthrop Middle School, Sched No 745006, 3 Credits

May 28–Jul 10, MTuWTh 3:00–4:30pm, Fall River—Diman Regional Technical High School, Sched No 745056, 3 Credits

May 28–Jul 10, MTuWTh 3:00–4:30pm, Cambridge Rindge and Latin High School, Sched No 745101, 3 Credits

OccEd 520
Career/Vocational Assessment and Evaluation for Special Needs Students

This course will seek to develop students' understanding of the underlying rationale and theoretical basis of vocational assessment with an emphasis on psychomotor, cognitive and affective issues as they are expressed in an educational profile. A thorough review of psychometric testing, including vocational aptitude batteries, work sample instruments and interest inventories, will be conducted. Interpretation and report writing will be stressed as well as discussion of implementation issues of vocational assessment in public school settings.

May 28–Jul 10, MTuWTh 3:00–4:30pm, South Boston High School, Sched No 745351, 3 Credits

May 28–Jul 10, MTuWTh 3:00–4:30pm, Peabody Vocational High School, Sched No 745406, 3 Credits

May 28–Jul 10, MTuWTh 3:00–4:30pm, Franklin—Tri-County Regional Technical High School, Sched No 745456, 3 Credits

May 28–Jul 10, MTuWTh 3:00–4:30pm, Bourne—Upper Cape Cod Regional Technical High School, Sched No 745501, 3 Credits

May 28–Jul 10, MTuWTh 3:00–4:30pm, Lowell High School, Sched No 745551, 3 Credits

Aug 5–Aug 22, MTuWTh 9:00am–12:00pm, Boston—Hubert Humphrey Occupational Resource Center, Sched No 745606, 3 Credits

OccEd 534
Instructional Strategies and Programming for Special Needs Students

Teaching methodologies and strategies in special needs education will be the primary focus of the course , with emphasis on assessment, program and curriculum modification, remediation techniques, and task analysis. Special consideration will be given to integrating students into existing vocational training settings and the development of alternative community-based training programs.

May 28–Jul 10, MTuWTh 3:00–4:30pm, Oak Bluffs—Martha's Vineyard Regional High School, Sched No 745806, 3 Credits

May 28–Jul 10, MTuWTh 3:00–4:30pm, Randolph High School, Sched No 745901, 3 Credits

May 28–Jul 10, MTuWTh 3:00–4:30pm, New Bedford—Greater New Bedford Regional Technical High School, Sched No 745951, 3 Credits

OccEd 598
Practicum in Vocational Special Needs Education I

This course will provide students with an opportunity to plan a project for the improvement of a special needs program in a vocational education setting. Emphasis will be placed upon observation of successful vocational special education practices.
Prerequisites: Successful completion of OccEd 201, 301, and 401 with no grade below D and not more than two grades of C.

May 28–Jul 10, MTuWTh 3:00–4:30pm, Melrose High School, Sched No 746200, 3 Credits

Jul 15–Aug 1, MTuWTh 9:00am–12:00pm, Oak Bluffs—Martha's Vineyard Regional High School, Sched No 746155, 3 Credits

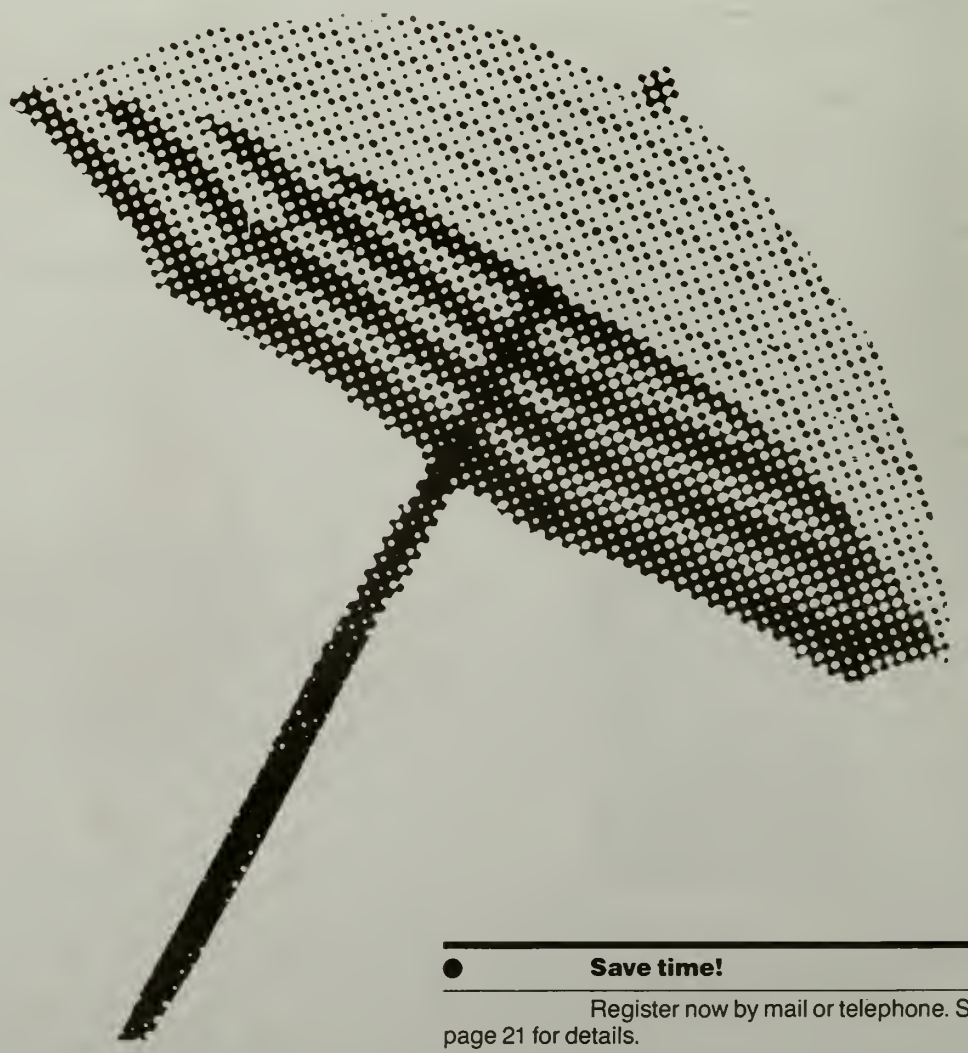
OccEd 599
Practicum in Vocational Special Needs Education II

This course will provide each student with an opportunity to implement a project for the improvement of a special needs program in a vocational education setting. Only students who successfully complete this practicum will be recommended to the Massachusetts Department of Education for approval as vocational instructors of students with special needs.
Note: The fee for this three-credit course is $190.00.
Prerequisite: OccEd 598.
Corequisite: OccEd 510.

By Arrgt, Cambridge Rindge and Latin High School, Sched No 746555, 3 Credits

By Arrgt, Fall River—Diman Regional Technical High School, Sched No 746400, 3 Credits

By Arrgt, Winthrop Middle School, Sched No 746505, 3 Credits



Save time!

Register now by mail or telephone. See page 21 for details.

Registration for Non-credit Offerings

To register for courses offered through the following non-credit programs, please use the form below.

Boston Sports Medicine Institute (non-credit option)
Emergency Service Training
Get More Grants in 1985
Graduate Test Preparation
How to Increase Productivity through a Motivated Staff

To register for credit for the Boston Sports Medicine Institute, use the form on the back page of this bulletin.

Social Security Number

Name

Street Address

City, State, Zip

Home Telephone Business Telephone

Title of Course Schedule Number Course Fee

Title of Course Schedule Number Course Fee

Title of Course Schedule Number Course Fee

Course Fee(s) Total $

Registration/Late/Miscellaneous Fee(s)(when applicable) $

Total Payment Enclosed $

Please make your check payable to University of Massachusetts at Boston—Continuing Education. Detach this form and mail check and form to:

Division of Continuing Education—Attn: Janice Kinahan
Box NC
University of Massachusetts at Boston
Harbor Campus
Boston, MA 02125-3393

To register using MasterCard, VISA, or company/agency purchase order, please call (617) 929-7900 between 9:00am and 5:00pm.

Archaeology in Boston

Anth 485
Field Seminar in Archaeology: Survey in Excavation

This portion of the field school focuses on site recognition, testing site boundaries, differentiation of structure in sites, use of survey instruments such as the compass and transit, techniques of excavation, sampling, description and interpretation of site stratigraphy and soil profiles, and field processing of excavated materials. Two sites with different characteristics in the Boston area will be used to provide a range of materials with which to work. This course will meet approximately 40 hours a week.
Prerequisite: Permission of instructor.

May 28–Jul 10, By Arrgt, HC 020/1/503, Mr Nelson, Lab Fee: $15.00, Sched No 704850, 6 Credits

Anth 485A
Field Seminar in Archaeology Lab

This portion of the field school focuses on the organization and analysis of archaeological materials recovered through field survey and excavation. Included are identification of materials, cataloging by hand and computer, structuring and managing a data base, rudimentary analysis of stone artifacts and faunal remains, flotation and midden analysis.
Prerequisite: Permission of instructor.

Jul 15– Aug 22, MTuWTh 11:45am–3:15pm, HC 020/2/503, Mr Nelson, Lab Fee: $5.00, Sched No 705054, 4 Credits

Boston Sports Medicine Institute

PE Ath 530
Seminar in Sports Medicine/ Athletic Training

The University of Massachusetts at Boston's Sports Medicine Institute presents a six-day schedule of seminars and workshops in sports and dance injuries, isokinetics, and strength and conditioning. Two undergraduate credits are available (see below); each participant will receive a certificate; and Continuing Education Units for the seminar and workshops have been approved as follows: the National Athletic Trainers' Association, 3.6 CEU's; Office of Emergency Medical Services, Massachusetts Department of Public Health, 10 CEU's; American College of Sports Medicine, 5 CEU's (general), 4 CEU's (AMA Category I).

Assessment, evaluation, and diagnosis of common sport and dance injuries as well as treatment protocol. Lectures in anatomy and practical demonstrations of injury assessment and diagnosis. Three afternoon laboratories cover common sport tapings and wrappings. Leading sports medicine physicians, trainers, and physical therapists will lecture on surgical techniques, modalities in sports medicine, and the prevention and management of injuries.

Jun 24–Jun 27, MTuWTh 9:00am–5:30pm, Harbor Campus
Non-credit option: Sched No 77400-61, Fee: $195.00
Credit option: Sched 747159, Fee: $296.00, 2 Credits

Workshop in Clinical Application of Isokinetics

Basic theory and practical applications of isokinetics using Cybex. Lectures cover rehabilitation concepts and team testing; an afternoon laboratory focuses on back testing and rehabilitation, with practice in Cybex testing, Fitron use, and ramping.

Jun 28, F 8:30am–5:00pm, Harbor Campus
Non-credit only: Sched No 77500-61, Fee: $60.00

Workshop in Building Explosive Power for Sport

Developing and implementing a strength and conditioning program for all sports. Strength, power development, and plyometrics will be covered through lecture and demonstration. Important information for coaches, trainers, and players of all sports.

Jun 29, S 8:15am–3:00pm, Harbor Campus
Non-credit only: Sched No 77600-61, Fee: $60.00

Co-op Internship Program

UMass/Boston students with thirty degree credits can earn three credits for paid or unpaid internship or Co-op work experiences during the summer. Those interested in further information should call or visit the Co-op/Internship Office for an appointment. Wheatley Hall, 2nd Floor, Room 203. Telephone 929-8495.

Emergency Service Training

The emergency medical service system is made up of three components: 1) "first responders," who are able to start emergency care immediately when time is important for the survival of victims of serious accidents or sudden illnesses, and to provide aid that will prevent further injuries and may even save lives; 2) emergency medical technicians, who provide advanced emergency medical care, stabilize the condition of victims, and prepare victims for transportation; and 3) hospital emergency departments, which provide the final stage of emergency care and treat victims as they begin to recuperate. Both the American Red Cross and the American Heart Association believe that there should be one first responder in every household and every office. Working toward this goal, the Office of Emergency Service Training offers reasonably priced training to the general public in the various elements of "first response." The Office also conducts more advanced courses for persons who wish to become emergency medical technicians and for practicing EMTs who wish to upgrade their skills.

CPR: Basic Cardiac Life Support and Emergency Cardiac Care

May 14–23, TuTh 6:30–9:30pm, Sched No 37150-52
Aug 5–14, MW 6:30–9:30pm, Sched No 37150-61
Course Fee: $7.00

Defensive Driving

May 20–22, MW 6:00–10:00pm, Sched No 37140-53
Jun 4–6, TuTh 6:00–10:00pm, Sched No 37140-61
Jul 1–3, MW 6:00–10:00pm, Sched No 37140-62
Course Fee: $20.00

Emergency Medical Technician

Jun 3–Aug 15, MTuTh 6:00–9:30pm, Sched No 37210-61
Course Fee: $300.00

Emergency Medical Technician—Ambulance Refresher Course

Jun 10–26, MW 6:00–10:00pm, Sched No 37230-61
Jul 23–Aug 8, TuTh 6:00–10:00pm, Sched No 37230-62
Course Fee: $50.00

Water Rescue

Jun 15–16, SaSu 8:00am–4:300m, Sched No 37320-61
Aug 10–11, SaSu 8:00am–4:30pm, Sched No 37320-61
Course Fee: $45.00

Basic Cardiac Life Support During Transportation

Jun 25–27, TuTh 6:00–9:30pm, and Jun 29, Sa 8:00am–4:30pm, Sched No 37340-61
Course Fee: $40.00

Emergency Vehicle Operation

Jul 8–24, MW 6:30–9:30pm and Jul 20–21, SaSu 8:00am–4:30pm, Sched No 37310-61
Course Fee: $165.00

Crisis Management: De-Escalation Techniques

Jul 8–12, MWF 6:00–10:00pm, Sched No 37120-61
Aug 19–23, MWF 6:00–10:00pm, Sched No 37120-62
Course Fee: $30.00

EMT Dispatcher

May 1–8, MW 6:30–9:30pm and May 11, Sa 8:00am–4:30pm, Sched No 37300-53
Jun 13–20, TuTh 6:30–9:30pm and Jun 22, Sa 8:00am–4:30pm, Sched No 37300-61
Aug 7–14, MW 6:30–9:30pm and Aug 17, Sa 8:00am–4:30pm, Sched No 37300-62
Course Fee: $165.00

See "Location Key" on page 3 for explanation of campus, building, floor, and room codes (e.g., HC 020/3/618).

EMT Lecture Series

Hypothermia and Cold Water Near-Drowning	May 13, W 7:00–9:00pm Sched No 37709-51 Course Fee: $8.00
Poisoning: Injection, Inhalation, Ingestion, and Absorption	May 21, Tu 7:00–9:00pm Sched No 37609-51 Course Fee: $8.00
Thermal, Chemical, and Radiation Burns	Jun 3, W 7:00–9:00pm Sched No 37710-61 Course Fee: $8.00
Common Sports Injuries	Jun 18, Tu 6:00–9:00pm Sched No 37610-61 Course Fee: $8.00

Most EMT and first responder courses may be scheduled at outside facilities. For more information about this or about any other details of the program, please contact:

Office of Emergency Service Training
University of Massachusetts at Boston
Downtown Center
Boston, MA 02125-3393
(617) 956-1180

Get More Grants in 1985

A practical workshop/seminar for beginning or experienced grant seekers. This seminar/workshop will help you:

- improve your success rate in winning grants from foundations, corporations and government agencies
- develop your skills in designing successful grant seeking strategies
- gain confidence in your ability to obtain funds
- identify more sources of funding
- use your advocates to approach new sources of funding

May 16–17, ThF 9:00am–5:00pm. For further information, please call 956-1000.

Graduate Test Preparation Courses

Developed in conjunction with the Office of Career Services, these review courses provide intensive classroom sessions covering all sections of each exam. Each course provides extensive exam practice including a full-length practice test given under exam conditions. The courses have been scheduled in advance of the dates of tests for which students are preparing.

Review for the Medical College Admission Test (MCAT)

Jul 30–Aug 24, MTuW 6:30–9:30pm, Sched No 10003-61, Fee: $165.00

Review for the Graduate Management Admission Test (GMAT)

May 14–Jun 6, TuWTh 6:00–9:00pm, Sched No 10002-52, Fee: $145.00

Aug 6–Aug 29, TuWTh 6:00–9:00pm, Sched No 10002-61, Fee: $145.00

Review for the Law School Admission Test (LSAT)

May 14–Jun 6, TuWTh 6:00–9:00pm, Sched No 10001-52, Fee: $145.00

The registration and refund request deadline for each course is one week prior to the starting date of that course.

For further information about these review courses or about the dates of the actual examinations, please call 929-7900.

History on Nantucket

AmCiv C202
The Twenties

We will study the impact of World War I and the post-war social, economic, and political environment on selected issues of American life in the 1920's: the rise of social and political intolerance; the businessman as hero and anti-hero; the "lost" generation; the "New Woman" and the "New Negro."
Core Area: Historical and Cultural Studies.

By Arrgt, Nantucket, Ms Beegel, Sched No 702757, 3 Credits

How to Increase Productivity Through a Motivated Staff

A special seminar for managers, supervisors, and department heads concerned with improving the motivational and productivity climate of their organizations. This seminar will help you:

- analyze the work environment in your facility
- produce a work environment that maximizes productivity
- increase productivity by allocating responsibility
- understand the effects of personal problems on worker performance
- formulate a plan for assessing your situation and working for positive change

May 15, W 9:00am–5:00pm. For further information, please call 956-1000.

Marine Biology on Nantucket Island

Every summer the Biology Department of UMass/Boston offers a small program of courses at the University's Field Station in Quaise. Students admitted to these courses will be housed at the Field Station, a facility located on 114 acres of moor and private beach about three miles from the town of Nantucket. Students interested in these courses should contact Dr. John Ebersole in the Biology Department, telephone (617) 929-8400. Application deadline: April 24, 1985.

Biol 200N
Field Biology on Nantucket—Marsh Ecology

Investigations into the natural history and ecosystem dynamics of salt marshes with special attention to the evolution, ecology, systematics, and adaptations of marsh organisms. Field exercises will be emphasized.
Prerequisites: One year of college biology and permission of instructor.

Jun 17–Jul 19, By Arrgt, Nantucket, Mr Ebersole, Sched No 709905, 5 Credits

Biol 346N
Marine Ecology

Supervised research into the adaptations and interactions of marine organisms of the beaches, salt marshes, sand dunes, and embayments of Nantucket.
Prerequisites: Genetics, physiology, college algebra and permission of instructor.

Jul 22–Aug 23, By Arrgt, Nantucket, Mr Ebersole, Sched No 711001, 5 Credits

Theatre Arts on Nantucket

The following two courses are designed to create evolved theatre pieces based on original scripts and play material by students in the program. Concentration will be on a wholly-integrated approach to and development of these scripts through the directors' and designers' visions into rehearsal. Students will be required to work on all aspects of theatrical presentation.

ThrArt 481A
Introduction to Writing, Performing, and Production I

Jul 1–Jul 25, MTuWThF 10:00am–12:00 noon, Nantucket, Mr Roberts, Sched No 766806, 3 Credits

ThrArt 481B
Introduction to Writing, Performing, and Production II

Jul 1–Jul 25, MTuWThF 12:00–2:00pm, Nantucket, Mr Roberts, Sched No 767000, 3 Credits

The advanced program provides a further understanding of the interrelated roles and responsibilities of the playwright, director, designer, and actor. Students will continue exploration of scripted work and expand the scripts into finished plays which will include mounting scenes from the new works.

ThrArt 481C
Advanced Workshop in Writing, Performing, and Production I

Jul 29–Aug 21, MTuWThF 10:00am–12:00 noon, Nantucket, Mr Francis, Sched No 767200, 3 Credits

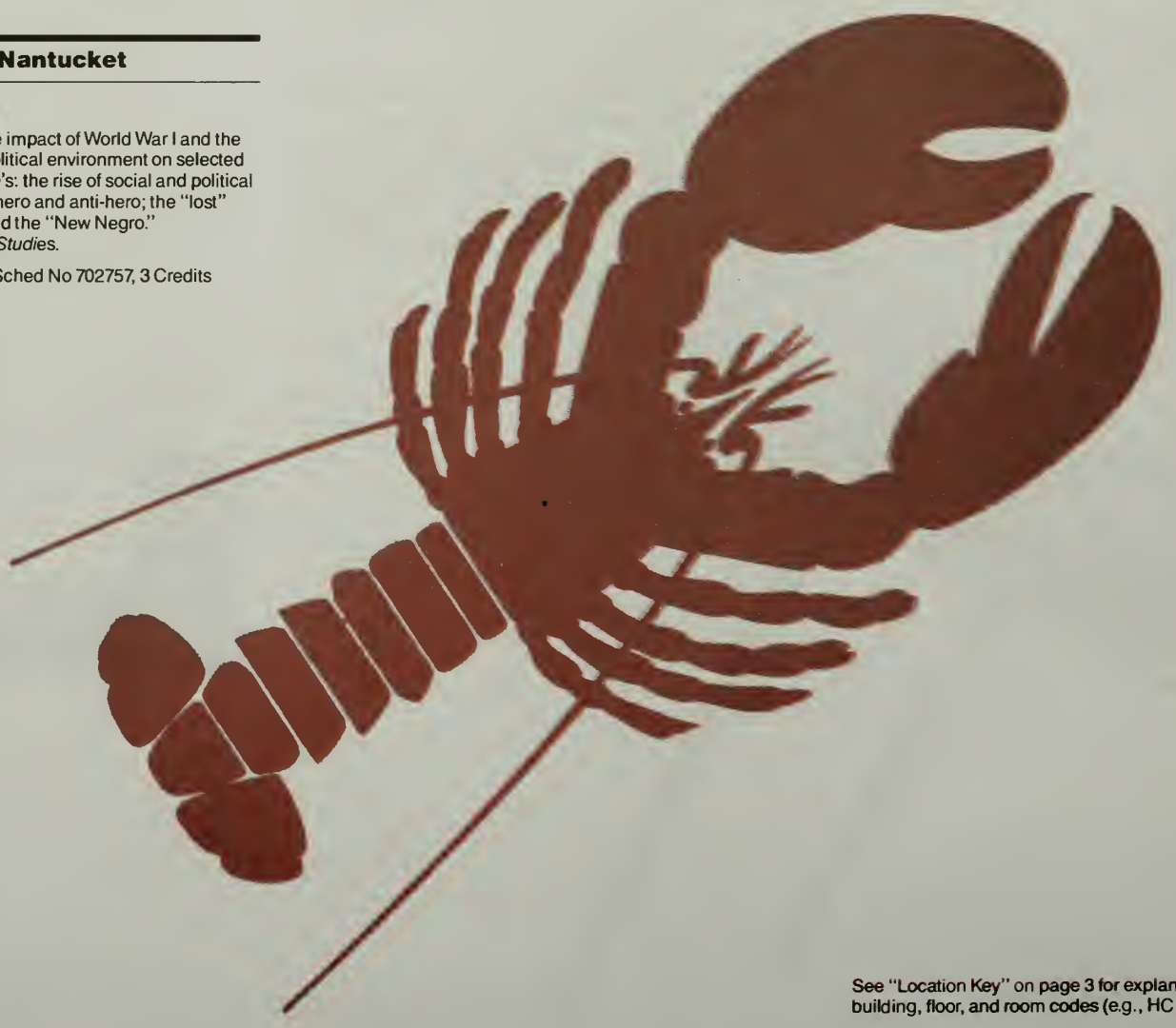
ThrArt 481D
Advanced Workshop in Writing, Performing, and Production II

Jul 29–Aug 21, MTuWThF 12:00–2:00pm, Nantucket, Mr Francis, Sched No 767400, 3 Credits

Students will receive a total of twelve credits upon completion of this Nantucket Theatre Arts Program. The special fee for this twelve-credit program is $700.00.

Housing at the UMass/Boston residence facilities at Gouin Village on Nantucket is available for students in the Theatre Arts summer program for an additional fee of $275.00.

Enrollment is limited. For information regarding admission to the program, contact Professor Louis E. Roberts at (617) 929-7720.



See "Location Key" on page 3 for explanation of campus, building, floor, and room codes (e.g., HC 020/3/618).

Free Summer Activities for Students

All summer session students paying service fees may participate in the following activities.

Harbor Art Gallery

This student-run gallery exhibits professional and student work. It is located on the first floor of McCormack Hall.

Film Series

Popular contemporary and classic films are featured weekly. Pick up the schedule in the Student Activities Office (Wheatley Hall, 4th Floor, Room 181) or look for the announcement in each week's *Mass Media*.

Lecture Series

Topical and controversial lectures are featured throughout the summer. Pick up the schedule in the Student Activities Office (Wheatley Hall, 4th Floor, Room 181) or watch for announcements in the *Mass Media*.

Athletics

The new Catherine Forbes Clark Athletic and Recreation Center houses the following facilities:

Competition Ice Rink
Swimming Pool
Gymnasiums
Gymnastics Area
Combative and Creative Area

The Clark Center is open 10:00am to 7:00pm, Monday through Friday, and 1:00 to 5:00pm on Saturday and Sunday.

There are courts for handball, racquetball and squash on the first floor of McCormack Hall and racquetball courts on the third floor of Wheatley Hall. Interested students may sign up at each location.

An athletic field, eight tennis courts and a softball field, are available for student use. Organized activities are listed in a schedule available at the Athletic Office on the first floor of the Clark Center.

A current valid UMass/Boston ID is required for entrance to all University athletic facilities.

Swimming Program

Swimming instruction will be offered this summer according to the guidelines of the American Red Cross "Learn to Swim" program. Pick up a schedule in the Pool Office at the Clark Center.

Sailing Program

Sailing instruction is offered from June 1st through August 1st, Monday through Friday (weather and tide conditions permitting). Interested students must take a basic swimming test before registering for instruction. Appropriate certification is awarded according to the level of proficiency achieved.

Fifteen Mercury sailboats, five Lasers and eight rowing dories are available at the sailing dock, which is located adjacent to the pumphouse near the Healey Library.

Discount Tickets

Tickets for sporting and cultural events are available at reduced prices through the Student Activities Office (Wheatley Hall, 4th Floor, Room 181).

Mass Media

The student-run newspaper is published each Tuesday and is available at various locations on all campuses.

WUMB

UMass/Boston's radio station operates at 91.9 on the FM dial and features a varied format of music and public affairs programming. WUMB's AM signal is brought by closed circuit to several locations on campus, including all cafeterias.

Concerts

Indoor and outdoor concerts are offered by the Student Activities Office. For a full schedule, visit the office in Wheatley Hall, 4th Floor, Room 181.

The Pub

Beer, wine, and snacks are served in a congenial atmosphere. The Pub is located in Wheatley Hall, 3rd Floor, and is open from noon to 4:00pm, Monday through Friday.

Social Events

The Student Activities Office plans celebrations, festivals, and parties. For complete information, visit the office in Wheatley Hall, 4th Floor, Room 181, or watch for announcements in the *Mass Media*.

Admissions Seminars

For students interested in matriculating.

For returning adult students: every Wednesday at 12:30pm and 6pm at the Downtown Center, Park Square, Room 907.

General sessions: every Friday at 2:00pm at the Harbor Campus, in the Admissions Office Conference Room, 1st Floor Administration Building.

Both seminars are conducted by a representative from the Admissions Office.

● Career Planning, Resume Writing, and Interviewing Techniques Workshops

The Office of Career Services is offering the following free workshops designed to equip students with the skills necessary for beginning a successful career. Each workshop is offered once during Summer Session I and once during Summer Session II.

Career Planning
June 24, 1:00–2:30pm *or* July 29, 1:00–2:30pm

Resume Writing
June 25 1:00–2:30pm *or* July 30, 1:00–2:30pm

Interviewing Techniques
June 26, 1:00–2:30pm *or* July 31, 1:00–2:30pm

For further information, call the Office of Career Services at 929-7125.

● College Preparation Seminar for Returning Students

The Admissions Office conducts a seminar titled "How to Go to College If You're Not a Kid" for adults. The seminars are held every Wednesday at 12:30pm and at 6:00pm (Downtown Center, Room 419). You must call first: 929-8000.

● Health Promotion Programs

The Health Promotion Program will offer the following workshops, drop-in information/referral services and special events during the summer:

Diet and Weight Management
Daily Weigh-In
Smoker's Liberation Group
Smoker's Liberation Drop-In/Self-Help
Alcohol Resource Information

For more information please contact the Health Promotion Program at the Harbor Campus, McCormack Hall, 1st Floor, Room 613, Monday–Friday, 9:00am–4:30pm, 929-7880/7881.

The Peer Support Program will offer a "Support Group for Returning Students" during the summer. If you are over 25, reduce stress, find resources and keep your motivation high by joining the group now.

May 29–July 10 on Wednesdays from 1:30–3:00pm and

July 17–August 14 on Wednesdays from 1:30–3:00pm

For more information please contact the Peer Support Program at the Harbor Campus, McCormack Hall, 2nd Floor, Room 412–414, Monday–Friday, 9:00am–4:30pm, 929-7315/7316.

Registration for Summer Session Courses

● Advance Registration by Mail

To register by mail for summer session courses, fill out the registration form included in this bulletin and send the form to:

Summer Session Registration
Healey Library, 2nd Floor Lobby
University of Massachusetts at Boston
Harbor Campus
Boston, MA 02125-3393

Registrations will be accepted on the basis of available space. Full payment must accompany the registration form (see "Fees and Payments").

● Advance Registration by Telephone

Students wishing to pay course and service fees by using MasterCard or VISA may register by telephone. To register by telephone for summer session courses, simply call 929-7933.

Note: Unfortunately, telephone registration is available only to students wishing to pay course and service fees by using MasterCard or VISA.

● Walk-In Registration

Students who would rather register in person may do so on the dates and at the times listed in the Academic Calendar. Walk-In Registration will take place at the Summer Session Registration Center at the Harbor Campus (Healey Library, 2nd Floor Lobby) during the following times:

M–Th 8:30am–6:00pm, F, 9:00am–4:00pm

● Late Registration

Late registration will take place at the Summer Session Registration Center at the Harbor Campus (Healey Library, 2nd Floor Lobby) during the periods listed in the Academic Calendar. Students registering during these periods must pay a $20.00 late registration fee.

● Further Information

For further information about registering for summer session courses, call 929-7900 or 956-1000.

Fees and Payments; General Information

Course Fees

Undergraduate	$50.50 per credit
Graduate	64.00 per credit

Service Fees

Mandatory for all students

Registration Fee	$10.00
Educational Service Fee	5.00
Student Health Fee	18.00
Student Activities Fee	7.00
Student Athletics Fee	6.25
Late Registration Fee (when applicable)	20.00
Bad Check Fee (when applicable)	20.00

Independent Study

Only UMass/Boston students may register for Independent Study and must do so through the Scheduling Office, located in the Office of Registration and Records, after satisfying any departmental prerequisite(s). Students may pay state course fees as follows:

Resident:	
Undergraduate	$50.50 per credit
Graduate	64.00 per credit
Non-resident:	
Undergraduate	$168.00 per credit
Graduate	176.00 per credit

Payment of Course and Service Fees

Students must pay in full before their registrations will be accepted. No payment will be accepted after the Add/Drop deadline of the session for which payment is intended. Students may use the following methods to make payment:

Check:

Please make out a separate check to cover the course fee (and lab fee, if applicable) for *each* course that is being requested, and a separate check for total Service Fees (Registration, Health, Activities, and Athletics; see Course and Service Fees above). Submission of separate check payments for each course allows the University to return payments immediately for an individual course that is no longer available. Any student who combines payment into one check does so at the risk of having the entire application returned or waiting until after the Add/Drop period for a refund.

Please make checks payable to the University of Massachusetts—Continuing Education.

A payment of course and services fees made with an unacceptable check will result in administrative withdrawal, an additional bad check fee of $20.00, and referral to a collection agency, which may result in liability for the payment of a collection fee.

MasterCard or VISA:

The University of Massachusetts at Boston will accept payment by MasterCard or VISA for all course and service fees. *The minimum acceptable MasterCard or VISA payment is $25.00.* Please fill out the appropriate section of the registration form when registering by mail.

Cash:

Cash payments must be made at the Bursar's Office at the Harbor Campus only. (Administration Building, 2nd Floor; M–F, 9:00am–3:30pm.)

Note: Cash payments will not be accepted at any other UMass/Boston location.

Course Fee Waiver and Remission Policy

The Division of Continuing Education will honor *course fee* waivers and remission of *course fees for* those persons meeting the eligibility requirements described below, providing the courses they wish to take are adequately supported by fees from paying students, and providing space is available in these courses. Credit course fee waivers and remission of credit course fees apply only at the standard rate of $50.50 per undergraduate credit and $64.00 per graduate credit. Thus, in the case of a credit course with extraordinary costs necessitating a higher than standard course fee, course fee waivers and remission will be granted for only the amount of the standard course fee. *Registration fees, service fees, and other mandatory fees, except in the case of senior citizens, must be paid in full.* Anyone wishing to apply for course fee waivers or remissions must do so when registering for courses: *the policy is not retroactive.* Vietnam-era veterans are eligible for *course fee* waivers under the following conditions:

1. They must be matriculated in a program leading to a degree or certificate.
2. They must not have used their *course fee* waiver for more than 130 credits.
3. If they did not enter service while residing in the Commonwealth of Massachusetts, they must file an affidavit under oath attesting to their having resided in the Commonwealth for two consecutive years immediately preceding enrollment.
4. They must have their registration form approved by UMass/Boston's Veterans' Affairs Office.

Senior citizens are eligible for a *waiver of all fees* upon submission of a notarized Senior Citizen Affidavit at the time of registration.

Full-time state employees are eligible for a 50% *course fee* remission upon submission of a properly completed "Certificate of Eligibility" at the time of registration (part-time state employees are eligible for a 25% course fee remission).

Full-time employees of public higher education, their spouses, and their dependent children are eligible for a 50% *course fee* remission upon submission of a properly completed "Certificate of Eligibility" at the time of registration (part-time employees of public higher education, their spouses, and their dependent children are eligible for a 25% course fee remission). The Division of Continuing Education cannot honor vouchers issued to cooperating practitioners by the state-funded programs of the University of Massachusetts at Amherst, Boston, or Worcester.

Lab Fees

Lab fees must be paid for certain courses as indicated in the schedule listings. The amounts of fees appear under schedule numbers for those courses requiring fees. The lab fee for each course must be paid at the time of registration.

Summer Student I.D. Cards

I.D. cards are required for the use of such facilities as libraries and the Clark Athletic Center. They may be obtained at the Harbor Campus through the I.D. Office (McCormack Hall, 4th Floor, Room 064) between 10:00am and 1:00pm each day. The charge is $2.00. UMass/Boston students who have currently valid I.D. cards need not obtain summer I.D. cards.

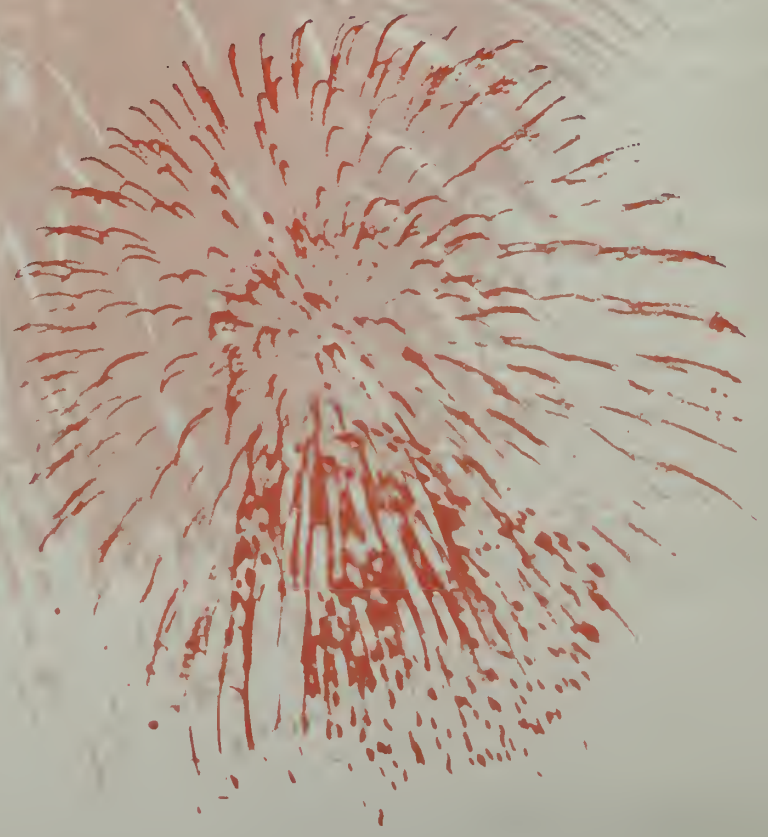
Payment by Outside Agencies

If the student's charges are to be paid by an outside agency, a payment authorization from that agency must accompany his or her registration if one is not on file in the Bursar's Office. Students are reminded that they are liable for all courses and service fees in the event that the sponsoring agency does not provide payment.

Cancellations

Summer session courses are conducted through the Division of Continuing Education, which is supported by student course fees. No state funding is available to help the Division of Continuing Education pay faculty salaries and meet overhead expenses. The Division must therefore cancel underenrolled courses. Before classes begin each term—generally during the week after the regular registration deadline—the Division projects enrollments according to the numbers of students already registered and decides whether to cancel courses that may be underenrolled. *Students are therefore encouraged to register early.*

Any student who has registered for a course that is cancelled may register for another course or request a refund. The course fee will be refunded in full to any student who has paid for a cancelled course and does not wish to register for another course in its place. If all courses for which the student has registered are cancelled, service fees will also be refunded.



Refunds

A student who withdraws from a course will be granted a refund according to the schedule below. Non-attendance does not constitute withdrawal. Students withdrawing from credit courses must file a valid withdrawal form at the Summer Session Registration Center. Students withdrawing from non-credit courses must file a valid withdrawal form with the Continuing Education Office.

For courses scheduled for ten or more class meetings:

Withdrawal before the first class meeting	100% Refund
Withdrawal before the second class meeting	90% Refund
Withdrawal before the third class meeting	50% Refund
Withdrawal after the third class meeting	No Refund

For courses scheduled for 6–9 class meetings:

Withdrawal before the first class meeting	100% Refund
Withdrawal before the second class meeting	80% Refund
Withdrawal after the second class meeting	No Refund

For courses scheduled for 1–5 class meetings:

Withdrawal before the first class meeting	100% Refund
Withdrawal after the first class meeting	No Refund

Whenever a refund is due, either because the student wishing the refund has withdrawn from a course or because the University has cancelled the course, *the student must initiate the refund procedure* by notifying the Summer Session Registration Center at the Harbor Campus (Healey Library, 2nd Floor Lobby). Refunds will not be processed until after the Add/Drop period.

The amounts of all refunds are computed on the basis of withdrawal dates established by the Office of Registration and Records.

If a student has made a payment with MasterCard or VISA, the refund must be returned as a credit to the student's MasterCard or VISA account.

Unless a course has been cancelled by the University, the $10 registration fee is not refundable.

Adding and Dropping Courses

Any student may add or drop courses before the Add/Drop deadline (see "Academic Calendar"). The student should obtain an Add/Drop form from the Summer Session Registration Center at the Harbor Campus (Healey Library, 2nd Floor Lobby), have the form signed by the instructors of the courses involved, and return the form to the Summer Session Registration Center.

Withdrawing from Courses

Any student withdrawing from a course after the Add/Drop deadline (see "Academic Calendar") will receive a grade of "W" for that course. Withdrawal forms are available at the Summer Session Registration Center at the Harbor Campus (Healey Library, 2nd Floor Lobby). Failure to submit a withdrawal form before 4:00pm on the last day of the withdrawal period will result in a grade of "F."

Transcripts

All students who wish transcripts sent to other schools must complete transcript request forms in the Office of Registration and Records. The cost of an official transcript is $2.00.

Pass/Fail Option for UMass/Boston Students

A total of eight courses may be taken on a Pass/Fail basis by regular UMass/Boston students while the student is an undergraduate. When the student earns a Pass (P) grade, credits for the course count as graduation credits; but the grade has no bearing on the student's cumulative average. A Fail (F) grade affects the student's cumulative average as a regular "F" would.

During the summer the following regulations apply:

1. Only o*n*e course may be taken on a Pass/Fail basis.
2. A course taken Pass/Fail cannot exceed five credits.
3. A summer course taken on a Pass/Fail basis counts toward the maximum allowed number of eight.
4. A student wishing to take a course on a Pass/Fail basis must fill out a Pass/Fail card, available at the Office of Registration and Records. Any student submitting two Pass/Fail cards in one summer will not be allowed to take either course on a Pass/Fail basis.
5. A Pass/Fail card, once submitted, cannot be withdrawn after the Pass/Fail deadline of the session in question (see the calendar).

Grades

Letter grades reported by instructors are given numerical values according to the following chart.

A	4.0
A –	3.75
B +	3.25
B	3.0
B –	2.75
C +	2.25
C	2.0
C –	1.75
D +	1.25
D	1.0
D –	.75
F	.00
Inc	Incomplete
Y	Interim grade in a declared year-long course

The grade of Incomplete is reported only if personal circumstances of extreme difficulty, such as serious illness, have kept a student from completing a portion of his or her required classwork or from taking a final examination; or if an instructor requests that an Incomplete be given for scholarly reasons. If a student's record is such that he or she would fail a course regardless of the quality of work yet to be done, an "F" will be reported.

A student can obtain credit for an Incomplete taken in the summer term only by finishing the work of the course by the end of the following summer term. If the work is not completed by this time, the grade will be changed to an "F." The initiative for removal of the Incomplete grade rests with the student.

An Incomplete on a final grade report is not represented in the student's temporary grade point average. When the Incomplete is later converted to a grade, the average is calculated again and the student is notified.

Once a grade is submitted, it cannot be changed except by approval of the Department Chairperson.

Regulations

Normal University regulations apply during the summer session, unless otherwise specified. Students are advised to consult the statements of these regulations available at the INFO Center in McCormack Hall or at the Office of Student Information Services (Administration Building, 3rd Floor, Room 039).

See "Location Key" on page 3 for explanation of campus, building, floor, and room codes (e.g., HC 020/3/618).

Continuing Education Office

Harbor Campus
Wheatley Hall, 2nd Fl., Rm. 203, 929-7900
M–Th, 9:00am–5:00pm; F, 9:00am–4:30pm

Downtown Center
1st Fl., Rm. 114, 956-1000
M–Th, 9:00am–5:00pm; F, 9:00am–4:30pm

The Division of Continuing Education is responsible for the planning and supervision of the summer sessions. Although actual registration takes place at the Summer Session Registration Center, the Continuing Education Office is set up to distribute information and resolve problems.

Summer Session Registration Center

Harbor Campus
Healey Library, 2nd Fl., Lobby
M–Th, 8:30am–6:00pm; F 9:00am–4:00pm

Office of Registration and Records

Harbor Campus
Administration Bldg., 1st Fl., 929-7200
M–Th, 9:00am–7:00pm; F, 9:00am–5:00pm

Office of Student Financial Management

Harbor Campus
Administration Bldg., 1st Fl., 929-7210
M–F, 8:30am–5:00pm

The Student Financial Management Office provides assistance in the processing of grants, scholarships, loans, and work-study awards. It is also responsible for the coordination of all student employment on campus.

Only UMass/Boston students are eligible to apply for financial aid for the summer session. These students should call or visit the Student Financial Management Office in April for further details. All other students should explore aid possibilities with the financial aid offices at their own institutions.

Educational benefits offered through the Veterans' Administration may be used during the summer session. Veterans who are eligible for these benefits must contact the Office of Veterans' Affairs.

Academic Advising and Tutorial Services

College of Arts and Sciences
Office of Academic Support and Advising
McCormack Hall, 3rd Fl., Rm. 625, 929-8220
M–F, 9:00am–5:00pm; evening hours by arrangement.

College of Management
Student Services and Advising Office
McCormack Hall, 3rd Fl., Rm. 415, 929-8105
M–F, hours by arrangement.

Disabled Student Center

Wheatley Hall, 1st Fl., Rm. 401, 929-8240
M–F, 9:00am–5:00pm; other hours by arrangement.

The Resource and Counseling Center for Disabled Students provides a full range of counseling services to students as well as equipment to meet the needs of any student who requests its services (e.g., Braille library, low-vision center and wheelchairs). All disabled students are welcome to enjoy the facilities and services offered at this center.

Child Care Center

Harbor Campus
Science Bldg., 1st Fl., Rm. 012, 929-7290
M–F, 8:00am–5:00pm

Downtown Center
2nd Fl., Rm. 028, 956-1037
M–F, 8:00am–5:00pm

Child care is available to summer students at UMass/Boston. The child care program is operated by trained personnel and charges run on a subsidized fee scale. Children between the ages of 18 months and 7 years are eligible.

Bookstore

Harbor Campus
Administration Bldg., G2 Level, 929-7250

Library Collections

The University Library holds a book collection numbering more than 400,000 volumes and currently subscribes to more than 3,700 domestic and foreign journals and newspapers. The main library, the Joseph P. Healey Library, is centrally located on the Harbor Campus plaza, easily accessible from the catwalk that connects all buildings on campus. It has extensive bibliography and reference holdings, a growing collection of government documents, and an art and music library that includes a Special Collections Room and listening carrels for the audio collection. In the Downtown Center there is a small library specifically designed for the students and faculty of CPCS. Its holdings are concentrated in the areas of psychology, sociology, law, and political science. The collections of both libraries are listed in the Public Catalog of the Healey Library, which holds a record of every book, journal, government document, and audio tape held by the University Library. All of these materials are available for use by students and faculty of the summer program. Temporary collections are available during the summer in the Downtown Center.

Cafeterias

Harbor Campus
Administration Bldg., G2 Level,
McCormack Hall, 3rd Floor

Downtown Center
1st Floor

Veterans' Affairs Office

Harbor Campus
Administration Bldg., 1st Fl., Rm. 117, 929-7135
M–F, 9:00am–4:30pm

The Veterans' Affairs Office assists all veterans in obtaining their educational benefits and helps them to resolve related problems.

Parking

Parking is available at the Harbor Campus in two underground garages. Operators of all vehicles, except motorcycles, must pay $2.00 per day to park in a garage (motorcycles: $1.25 per day). Discount tickets authorizing ten days' parking are also available at the parking booths for $15.00 (cars) or $7.50 (motorcycles).

Public Transporation

Free and frequent shuttle bus service is provided between the Harbor Campus and JFK/UMass (formerly Columbia) Station on the MBTA Red Line. Buses following MBTA Route 16B stop at the Harbor Campus. The Downtown Center is within a short distance of the Arlington stop on the Green Line. A free shuttle service connects both campuses.

Health Services

Medical Services

Main Facility (General Information)
(617) 929-7111, Harbor Campus, 110/2/040
Summer Session: M–Th, 9:00am–6:30pm; F, 9:00am–4:30pm

Park Square Clinic
(617) 956-1017, Downtown Campus, 4/417
Summer Session: M–Th, 1:00–7:00pm

Mental Health/Counseling Services

Main Facility
(617) 929-7170, Harbor Campus, 110/2/015
Summer Session: MTh, 9:00am–6:30pm; TuWF, 9:00am–4:30pm

Park Square Clinic
(617) 956-1024, Downtown Campus, 4/417
Summer Session: M–Th, 1:00–7:00pm

Peer Support Center

(617) 929-7316, Harbor Campus, 020/2/412
Summer Session: M–F, 9:00am–4:30pm

Health Promotion Program

(617) 929-7880/7881, Harbor Campus, 020/1/613
Summer Session: M–F, 9:00am–4:30pm

The University Health Service offers outpatient medical care, mental health/counseling and health education programs for all enrolled students. Students may be seen by appointment or on a walk-in basis. *Medical Services* include unlimited medical visits, gynecological care, health counseling, routine laboratory work, minor surgery, dermatology, dental screening/consultation, and referrals, when necessary. *Mental Health/Counseling Services* provide personal growth counseling, crisis intervention, workshops and walk-in emergency, consultation, information and referral services. The *Peer Support Program* offers students assistance in dealing with the common problems of student life whether academic, personal or social. A drop-in center is provided which makes available everything from information, conversation, referral services and networking to support groups for returning students and assertiveness training. The *Health Promotion Program* supports the clincial efforts of the Health Service and promotes responsible health consciousness throughout the University community by sponsoring workshops, drop-in information/referral services and special events.